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United States Department of Agriculture  
 Bureau of Markets  
**FOOD SURVEYS**  
 Published by Authority of the Secretary of Agriculture

WASHINGTON, D. C.

MAY 31, 1918.

VOL. I, No. 4

ANNOUNCEMENT.

In accordance with the provisions contained in Section 2, of an Act of Congress (Public No. 40, 65th Congress), approved August 10, 1917, the Chief of the Bureau of Markets of the United States Department of Agriculture has been authorized and instructed, as an agent of the Secretary of Agriculture, to take such steps as may be necessary to obtain authoritative information regarding the matters authorized to be investigated under that section.

The Food Surveys Project has been established pursuant to Sections 2 and 8, of the Act, to obtain such information concerning food and food materials as may seem necessary or desirable for the guidance of governmental agencies and the public in making plans for increasing production, for promoting efficient distribution, and for directing conservation and utilization.

The results of the surveys made under this Project will be published monthly in "Food Surveys," which will be mailed from Washington, D. C., between the fifteenth and twentieth of each month. Special numbers of "Food Surveys" will be issued from time to time as occasion may require. A copy may be obtained on application to "Food Surveys," Bureau of Markets, Room 229, Homer Building, Washington, D. C.

CHARLES J. BRAND, *Chief, Bureau of Markets.*  
 C. W. THOMPSON, *In Charge, Food Surveys Project.*

COMMERCIAL STOCKS OF FATS AND OILS.

The stocks of fats and oils covered by the Food Survey of January 1, 1918, for which information is here presented, include lard, lard compounds, solid vegetable cooking fats, oleo stock, oleo oil, and edible tallow, cottonseed oil, olive oil and peanut oil.

The estimated total commercial stocks of these commodities, assuming that the stocks actually reported represent from 85 to 90 per cent of the total, were as follows: Lard, 135,000,000 pounds; lard compounds, 93,000,000 pounds; solid vegetable cooking fats, 41,000,000 pounds; oleo stock, oleo oil, and edible tallow, 58,000,000 pounds; cottonseed oil, 67,000,000 gallons; olive oil, 4,500,000 gallons; and peanut oil, 2,600,000 gallons.

There is a noticeable decrease in the stocks of lard and cottonseed oil, the holdings for January 1, this year, being 72.0 per cent and 82.8 per cent, respectively, of those for January 1 of last year. The holdings of lard compounds also show some decrease, the stocks for January 1, 1918, being 95.3 per cent of those a year earlier. In the case of the four remaining commodities, the stocks show an increase, the percentages of last year's holdings being as follows: Solid vegetable cooking fats, 115.6 per cent; oleo stock, oleo oil, and edible tallow, 109.6 per cent; olive oil, 117.8 per cent; and peanut oil, 124.7 per cent.

Detailed information for each of these commodities is presented in the following pages.

COMMERCIAL STOCKS OF LARD.

The stocks of lard (pure lard) in commercial channels, as reported in the War Emergency Food Survey of January 1, 1918, amounted to 118,402,005 pounds. Of this amount the meat packers reported nearly six-tenths and the retail dealers three-tenths, the balance being held by wholesalers, bakers, storage warehouses, and a miscellaneous group of firms. The total stocks reported by each of these groups of concerns, as well as by the various subgroups or classes, are shown in the first column of Table 1, and graphically represented in Diagram 1. The number or schedules tabulated for lard is shown in Table 2.

Geographic Distribution of Stocks Reported.

Because of the large percentage of the total stocks reported by the meat packers, it would naturally be expected that the two North Central geographic divisions would rank first in stocks reported. The East North Central division in fact reported fully one-third of the total commercial stocks of lard for the country, while the West North Central division reported nearly one-fifth. That the Middle Atlantic division ranked third, with stocks only about three million pounds less than those of the West North Central division, was due principally to the relatively large stocks of retail dealers.

Table 1.—Stocks of lard reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.		
		1918 stocks.		1917 stocks.
		Quantity.	Per cent of 1917.	
Total	118,402,005	105,041,065	72.0	145,987,373
Meat packers	69,207,071	65,328,451	66.4	98,089,031
Storage warehouses	1,357,245	1,143,856	38.5	2,972,513
Cold storages	967,209	879,379	114.1	2,706,886
Warehouses	390,036	264,477	12.0	2,201,827
Wholesale dealers	6,173,660	5,355,927	76.1	7,040,855
Wholesale grocers	3,410,172	2,983,570	73.2	4,077,308
Meat and provision jobbers	2,105,572	1,847,888	81.6	2,264,095
Other wholesale dealers	657,916	524,469	75.0	639,452
Bakers	2,472,452	2,118,401	96.5	2,195,004
Retail dealers	34,946,489	27,643,298	85.8	32,219,128
Retail grocers	19,058,559	15,672,787	92.9	16,870,758
General stores	11,143,255	8,490,735	81.3	10,438,208
Retail meat markets	4,748,880	3,465,816	71.4	4,876,884
Other retail dealers	25,795	13,960	59.9	23,288
Miscellaneous	4,245,088	3,451,132	99.4	3,470,842

DIAGRAM 1.—DISTRIBUTION OF TOTAL STOCKS OF LARD REPORTED FOR JANUARY 1, 1918.

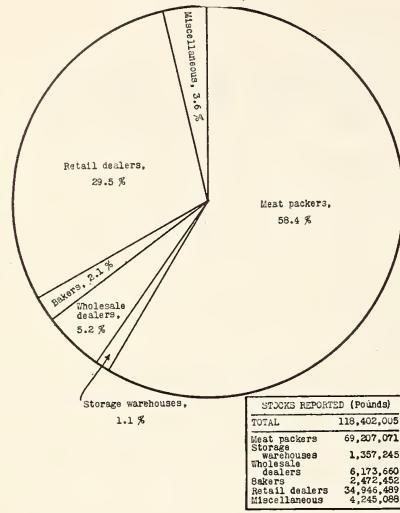


Table 2.—Number of firms reporting lard, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
<b>Total</b>	<b>187,322</b>	<b>135,733</b>
Meat packers	1,526	1,393
Storage warehouses	60	41
Cold storages	45	34
Warehouses	24	7
Wholesale dealers	3,002	2,569
Wholesale grocers	2,023	1,783
Meat and provision jobbers	963	393
Other wholesale dealers	574	393
Bakers	5,708	4,078
Retail dealers	160,898	123,034
Retail grocers	94,968	67,781
General stores	56,430	43,222
Retail meat markets	18,368	14,936
Other retail dealers	132	75
Miscellaneous	7,059	4,618

Table 3.—Stocks of lard reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	WHOLESALE DEALERS.								RETAIL DEALERS.						Miscellaneous.
	TOTAL.	Meat packers.	Storage warehouses.	Total.	Wholesale grocers.	Meat and provision jobbers.	Other wholesale dealers.	Bakers.	Total.	Retail grocers.	General stores.	Retail meat markets.	Other retail dealers.		
United States	118,402,005	69,207,071	1,357,245	3,410,172	2,105,572	657,916	2,472,452		19,058,559	11,113,255	4,748,880	25,795	4,245,088		
GEOGRAPHIC DIVISIONS:															
New England	9,041,516	6,401,476	19,725	616,663	156,337	398,628	61,668	180,190	1,740,051	1,174,321	480,911	83,597	1,222	83,411	
Middle Atlantic	20,301,089	5,120,735	340,573	1,396,418	532,255	637,970	226,193	1,006,852	11,304,721	90,981,139	10,059,976	1,228,768	7,848	1,041,783	
East North Central	39,612,943	29,633,619	34,997	937,045	547,045	202,222	97,778	251,709	3,098,386	1,198,522	6,418,266	3,325,687	1,247	2,021,007	
West North Central	23,408,084	19,139,367	390,868	306,673	144,245	137,678	24,730	229,298	2,634,729	2,169,782	1,050,601	1,050,601	847,329	221,081	
South Atlantic	7,147,746	1,946,958	86,508	1,108,981	809,757	223,843	75,381	131,338	909,142	1,630,074	105,977	145,361	5,400	230,205	
East South Central	4,935,822	1,302,705	8,495	845,980	548,880	185,091	112,009	29,289	2,631,729	1,254,447	88,085	88,085	4,407	117,645	
West South Central	5,714,814	1,866,182	139,616	481,011	454,351	9,490	17,170	109,062	2,969,301	1,036,052	1,339,486	91,471	2,292	149,642	
Mountain	3,654,547	1,635,598	6,400	257,359	122,388	97,828	37,143	71,567	1,593,281	471,998	862,239	258,599	445	90,342	
Pacific	4,555,444	2,160,404	330,063	223,530	94,914	122,822	5,794	124,436	1,457,036	520,916	585,482	350,228	410	289,975	
NEW ENGLAND:															
Maine	570,813	184,444		92,411	50,114	37,945	4,352	14,888	288,001	165,931	116,293	5,267	410	11,039	
New Hampshire	191,779	32,197		19,518	11,894	7,141	2,343	4,426	124,798	88,321	31,900	6,302	235	10,040	
Vermont	136,807	10,009		7,519	3,779	2,460	1,280	10,187	105,977	47,402	47,884	10,426	265	3,115	
Massachusetts	7,033,666	5,665,616	19,725	399,802	72,016	310,011	17,775	108,900	805,109	526,180	243,523	35,341	65	34,514	
Rhode Island	228,127	28,502		60,816	9,343	31,676	19,797	10,016	115,727	98,244	12,009	5,474	445	13,066	
Connecticut	880,824	500,708		36,297	9,191	9,395	17,711	31,773	300,439	250,243	29,162	20,787	247	11,607	
MIDDLE ATLANTIC:															
New York	11,184,934	2,095,741	289,790	789,643	168,654	454,325	166,664	597,882	7,171,244	6,252,899	344,502	571,270	2,573	240,63	
New Jersey	2,942,767	986,636	33,392	149,415	35,174	79,914	34,327	106,429	1,008,492	865,944	69,081	68,527	4,940	658,35	
Pennsylvania	6,173,388	2,038,308	17,391	457,360	328,427	103,731	25,202	302,541	3,214,995	1,979,296	646,393	588,971	335	142,79	

The geographic distribution of the total stocks reported is shown in graphic form in Diagram 2, while the distribution by states as well as by geographic divisions, is given in Table 3, both for the total stocks and for each of the groups and classes of dealers. The stocks reported for the twenty most important states are shown graphically in Diagram 3, which brings out the fact that Illinois reported nearly two and one-half times as much lard as New York, the second state on the list.

#### Comparative Figures for 1918 and 1917.

Nearly 90 per cent of the reports, based on stocks reported, gave information for January 1, 1917, as well as for January 1, 1918. The comparative stocks for the two dates based on these two-year reports are shown in the last three columns of Table 1, and are given by geographic divisions as well as by states in Table 4. These figures indicate that the total commercial stocks on the date of the survey were only 72.0 per cent of those of January 1, 1917. The relative stocks on the two dates are graphically represented in Diagram 4. This diagram brings out the fact that while the storage warehouses show the largest relative decrease, the really significant decrease in the stocks on January 1, 1918, as compared with those on hand a year earlier, was in the holdings of the meat packers.

DIAGRAM 2.—STOCKS OF LARD REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.

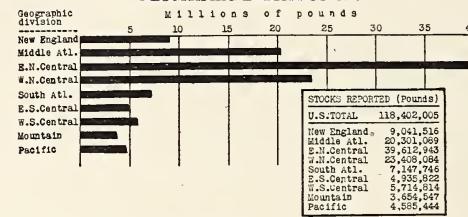


DIAGRAM 3.—STOCKS OF LARD REPORTED FOR THE EIGHTEEN MOST IMPORTANT STATES.

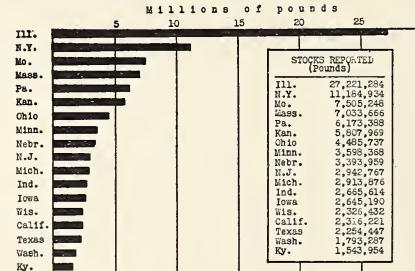


Table 3.—Stocks of lard reported for January 1, 1918, by classes of business, for geographic divisions and states—Continued.

Geographic Division and State.	Wholesale Dealers.								Retail Dealers.							
	Total.	Meat packers	Storage ware- houses.	Total.	Wholesale grocers.	Meat and provision jobbers.	Other whole- sale dealers.	Bakers.	Total.	Retail grocers.	General stores.	Retail meat markets.	Other retail dealers.	Miscel- laneous.		
		Pounds.	Pounds.		Pounds.	Pounds.	Pounds.	Pounds.								
E. N. CENTRAL:	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
Ohio.....	4,485,737	1,911,351	3,817	349,095	255,158	89,233	4,704	12,494	1,850,365	1,072,020	285,956	941,929	460	248,165		
Ind.....	2,665,614	1,528,057	1,640	164,895	94,712	49,711	20,472	21,460	919,583	507,488	212,440	199,484	171	29,979		
Ill.....	27,221,284	23,537,533	29,540	188,439	66,453	87,783	34,203	222,128	1,611,511	834,339	414,102	361,612	1,458	1,632,133		
Mich.....	2,913,876	1,382,435	1,000	190,030	94,288	64,875	30,867	128,041	1,148,468	587,149	260,959	300,165	165	64,902		
Wis.....	2,326,432	1,274,243	-----	44,586	36,434	620	7,532	73,886	888,339	324,691	261,213	302,252	183	45,378		
V. N. CENTRAL:	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
Minn.....	3,598,368	2,757,288	-----	106,111	49,164	34,380	22,567	62,178	612,280	199,126	204,755	207,124	1,275	30,511		
Iowa.....	2,645,190	1,791,100	4,980	96,101	46,396	49,115	590	43,750	639,563	249,272	153,379	236,637	275	69,696		
Mo.....	7,505,248	5,995,286	384,563	65,170	39,818	24,528	824	113,155	871,451	442,900	329,975	98,361	215	75,623		
N. D. ....	207,023	33,204	-----	3,865	1,535	2,300	30	4,375	159,594	27,570	64,503	67,521	-----	5,985		
S. D. ....	250,327	93,844	-----	3,412	2,838	-----	574	4,417	139,421	27,823	63,204	48,354	40	9,233		
Nebr.....	3,393,959	3,069,007	-----	28,814	1,369	27,355	90	11,239	272,796	90,873	93,632	88,287	4	12,103		
Kan.....	5,807,969	5,369,638	1,325	3,200	3,125	-----	75	12,595	403,281	169,958	141,153	101,045	125	17,930		
So. ATLANTIC:	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
N. J. ....	123,295	19,737	-----	25,871	4,003	21,700	168	670	70,894	36,560	18,423	15,911	6,123	-----	-----	
N. Y. ....	957,857	404,309	17,610	140,154	33,024	105,974	1,156	28,152	316,242	174,257	101,276	40,709	5,230	5,244	-----	
P. R. ....	292,916	111,684	-----	35,409	16,579	18,710	120	44,129	96,450	84,515	664	11,271	-----	-----	-----	
P. A. ....	1,250,057	491,118	48,898	122,280	76,490	37,371	8,419	24,423	537,104	224,918	286,271	24,380	1,535	26,232	-----	
W. Va.....	1,178,625	302,825	7,640	265,830	260,595	-----	5,235	5,195	582,966	158,578	387,456	35,107	1,825	14,169	-----	
N. C. ....	898,311	74,850	-----	188,560	184,835	1,640	2,085	3,865	699,981	193,027	592,554	3,780	620	22,055	-----	
S. C. ....	64,502	38,448	-----	90,028	85,308	730	3,990	3,298	477,106	112,757	361,849	2,500	-----	31,623	-----	
Ga.....	1,392,059	413,581	12,360	218,788	123,506	32,706	53,566	12,857	687,613	257,736	422,746	6,311	820	46,870	-----	
Fla.....	323,123	90,433	-----	22,071	16,417	5,012	642	8,747	175,373	81,434	88,547	5,292	-----	26,499	-----	
E. S. CENTRAL:	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
Ky.....	1,543,954	246,628	244	477,155	274,428	158,214	44,513	13,271	785,779	346,803	397,622	39,769	1,495	20,877	-----	
Tenn.....	1,301,566	460,230	8,251	152,234	127,805	19,254	5,175	7,440	651,058	236,986	368,953	43,317	1,802	22,351	59,552	
Ala.....	1,300,376	513,706	-----	112,683	43,239	7,623	61,821	4,793	609,642	179,435	425,898	3,409	900	-----	14,865	
Miss.....	789,926	82,139	-----	103,408	-----	500	3,785	585,229	145,828	437,601	1,590	210	-----	-----	-----	
W. S. CENTRAL:	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
Ark.....	834,788	34,100	907	33,692	27,792	4,675	1,225	13,521	742,402	241,018	483,629	12,075	680	10,166	-----	
La.....	1,323,240	95,934	137,593	241,361	236,315	5,046	29,409	789,670	222,835	565,078	1,757	-----	29,273	-----	-----	
Oklahoma	1,302,339	889,734	-----	20,579	18,555	750	1,274	12,744	363,041	147,492	174,820	40,537	192	16,241	-----	
Texas.....	2,254,447	846,414	1,116	155,379	171,689	4,065	9,625	53,388	1,074,188	419,707	615,959	37,102	1,420	93,962	-----	
mountain:	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
Mont.....	676,265	196,167	-----	68,948	20,961	47,887	100	28,391	361,321	97,164	162,668	101,459	30	21,438	-----	
Idaho.....	282,281	64,306	-----	15,415	4,186	11,229	-----	410	198,168	50,861	94,000	53,307	-----	3,982	-----	
Wyo.....	228,685	26,665	-----	31,408	13,668	17,740	-----	1,481	166,957	35,007	119,895	12,055	-----	2,174	-----	
Color.....	1,345,095	904,466	-----	21,414	5,566	15,638	210	21,822	383,839	159,469	177,507	46,728	135	13,554	-----	
N. M. ....	220,984	19,288	-----	17,229	17,229	-----	-----	3,918	157,254	26,690	120,122	10,202	240	23,295	-----	
Ariz.....	236,887	52,029	-----	24,133	22,719	1,244	170	6,313	134,173	38,772	81,088	14,313	-----	20,239	-----	
Utah.....	576,476	339,158	6,400	74,727	33,974	4,090	36,663	8,767	145,013	52,683	74,458	17,832	40	2,411	-----	
Nev.....	87,874	33,519	-----	4,085	4,085	-----	-----	465	46,556	11,352	32,501	2,703	-----	3,249	-----	
PACIFIC:	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
Wash.....	1,703,287	1,044,796	-----	64,658	30,763	33,200	600	10,626	555,421	155,080	277,913	121,828	-----	108,791	-----	
Ore.....	475,936	97,053	12	58,780	15,413	40,881	2,486	11,392	293,652	86,978	125,182	81,192	300	14,525	-----	
Calif.....	2,316,221	1,018,051	330,051	100,097	48,738	48,471	2,618	93,418	275,258	182,387	147,208	110	166,639	-----	-----	

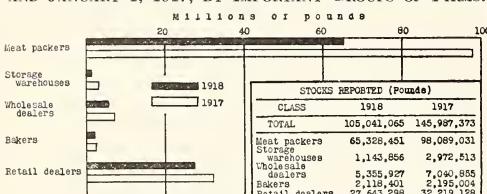
Table 4.—Comparative figures for lard, by classes of business, for geographic divisions and states.

Geographic Division and State	Total		Meat Packers.		Storage Warehouses.		Wholesale Dealers.		Bakers.		Retail Dealers.		Miscellaneous.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States	105,041,065	145,987,373	65,328,451	98,089,031	1,143,856	2,972,513	5,355,927	7,040,855	1,181,401	2,195,004	27,643,298	32,219,128	3,451,132	3,470,842
Geog. Divis.: -														
New England:														
Middle Atl.:	8,500,012	13,554,408	6,396,868	10,934,983	2,540	3,155	558,209	750,158	153,269	166,143	1,338,845	1,541,411	50,283	149,558
E. N. Central:	18,382,962	23,379,057	4,979,301	9,226,228	267,525	2,224,824	1,000,844	1,419,747	850,155	926,230	10,218,303	10,806,827	807,547	1,120,600
W. N. Central:	34,316,551	61,069,762	26,226,659	51,581,049	5,357	378,959	819,804	1,173,220	500,477	516,330	7,761,773	6,421,541	1,904,487	1,626,454
South Atl.:	22,462,548	29,147,736	19,994,950	17,890,919	389,648	299,000	283,759	383,365	226,444	220,276	2,331,652	2,303,868	139,895	150,308
E. S. Central:	5,782,122	7,324,464	1,875,223	2,809,477	24,810	42,600	1,013,662	1,299,655	109,571	82,509	2,626,950	2,993,827	129,906	96,096
W. S. Central:	3,866,856	4,128,759	1,241,177	1,139,952	8,343	5,200	632,386	795,902	16,945	31,628	1,876,369	2,065,181	91,634	87,896
Mountain:	4,740,115	5,021,916	1,863,107	1,959,022	118,670	7,227	441,769	562,866	88,240	80,804	2,139,848	2,247,757	88,481	74,240
Pacific:	3,044,530	3,661,044	1,460,912	1,854,414	227,552	252,283	63,921	85,306	101,181	129,246	1,234,917	1,458,937	57,228	57,104
3,945,269	5,071,327	2,122,164	3,047,957	329,863	1,493	215,836	301,659	104,554	148,777	91,671	108,193			
New England:														
N. H.:	495,013	557,884	164,144	152,109	-----	-----	83,737	92,115	13,072	12,174	229,557	294,611	4,503	6,875
Vt.:	156,391	222,145	32,197	40,987	-----	-----	19,648	38,307	2,041	5,222	94,588	119,328	7,917	20,301
Mass.:	117,806	171,633	10,009	7,033	-----	-----	6,919	14,044	9,642	6,650	89,161	137,285	2,075	6,612
R. I.:	6,780,710	10,063,788	5,661,458	8,743,123	2,540	3,155	378,039	499,877	95,166	93,532	618,357	623,716	25,150	102,385
Conn.:	178,457	255,314	28,502	49,765	-----	-----	54,736	89,175	9,201	12,636	83,060	99,207	2,958	4,531
771,635	2,281,644	500,558	1,941,966	-----	-----	15,130	25,640	24,147	37,920	224,120	267,264	7,680	8,854	
Middle Atl.:														
N. Y.:	10,546,983	12,966,763	2,042,689	2,363,398	250,440	2,153,070	719,407	820,860	510,152	547,943	6,834,222	6,964,156	190,073	117,336
N. J.:	2,590,324	2,943,602	920,292	1,172,223	-----	-----	137,347	234,204	83,964	145,490	835,862	494,994	612,839	898,691
Pa.:	5,245,655	7,467,592	2,016,410	3,335,637	17,083	81,800	304,200	364,683	265,039	235,820	2,548,308	3,344,677	94,615	104,966
E. N. Central:														
Ohio:	3,776,258	6,236,910	1,741,720	2,612,222	3,817	12,901	312,438	538,379	104,998	110,893	1,382,605	1,735,030	230,680	227,485
Ind.:	4,252,766	6,367,437	1,520,277	2,287,602	1,640	-----	160,015	208,373	16,912	17,631	726,606	1,096,100	27,316	27,781
Ill.:	23,545,258	46,526,667	20,442,324	24,723,709	-----	366,058	128,673	238,014	193,549	217,594	1,192,029	1,661,386	1,557,775	1,309,906
Mich.:	2,534,680	2,765,186	1,371,050	1,327,425	-----	-----	177,688	147,070	116,290	97,730	839,768	1,163,154	29,884	29,807
Wis.:	2,007,689	2,531,512	1,218,380	1,620,091	-----	40,986	41,384	65,726	72,691	650,765	765,787	28,832	31,475	
W. N. Central:														
Minn.:	3,460,099	3,172,750	2,782,288	2,339,818	-----	101,944	129,861	60,506	55,837	486,982	618,870	23,379	28,364	
Iowa:	2,407,918	2,503,708	1,769,932	1,688,498	1,260	-----	96,051	102,451	32,292	28,053	481,255	630,817	27,128	33,889
Mo.:	7,239,816	7,582,385	5,985,557	6,065,166	384,563	298,000	61,482	120,907	107,484	104,274	636,536	904,163	64,194	59,875
N. D.:	162,498	159,767	33,204	22,063	-----	-----	3,865	2,270	1,857	2,925	119,495	127,982	4,077	4,527
S. D.:	214,399	654,170	93,844	487,944	-----	-----	2,897	6,130	4,215	4,422	106,934	149,926	6,509	5,745
Nebr.:	3,301,993	3,730,784	3,069,007	3,384,233	-----	14,505	18,412	10,474	12,911	202,599	307,055	5,408	8,173	
Kan.:	5,675,875	4,344,172	5,356,118	5,873,179	825	1,000	3,013	3,334	8,816	11,854	27,851	44,055	9,200	9,732

Table 4.—Comparative figures for lard, by classes of business, for geographic divisions and states—Continued.

Geographic Division and State.	Total.		Meat packers.		Storage warehouses.		Wholesale dealers.		Bakers.		Retail dealers.		Miscellaneous.		
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
SOUTH ATL.:															
Del.	94,910	132,039	17,727	3,495	25,823	43,215	620	1,090	46,612	80,290	4,128	3,949			
Md.	790,742	1,165,438	383,349	682,049	12,610	136,726	119,793	22,063	24,752	299,148	322,298	26,846	16,546		
D. C.	267,851	252,301	111,684	97,903		32,709	19,700	43,937	16,357	76,327	114,651	3,194	3,690		
Va.	989,561	1,343,878	480,834	646,522		184,189	196,634	22,565	19,379	357,402	461,964	20,271	21,379		
W. Va.	93,193	12,262	2,082	463,228	500	500	275,168	3,100	3,085	433,516	491,375	7,437	9,953		
N. C.	748,252	791,366	600,025	2,215		153,216	210,222	1,875	5,735	514,561	491,777	7,372	7,933		
S. C.	498,216	468,299	30,513	39,974		74,688	69,077	2,968	3,486	361,729	346,950	28,318	7,609		
Ga.	1,161,792	1,708,280	406,666	734,759	11,700	42,100	212,243	373,832	6,089	5,481	519,226	539,842	5,868	12,266	
Fla.	245,005	253,593	90,133	63,467			18,860	38,100	3,754	3,444	112,299	138,043	16,659	12,481	
E. S. CENTRAL:															
Ky.	1,108,245	1,101,282	205,635	159,158	94	200	296,959	250,031	6,605	12,620	586,694	662,216	12,255	17,057	
Tenn.	1,024,719	1,187,334	454,332	464,888	8,251	5,000	127,508	184,869	5,087	11,560	412,055	503,004	17,486	18,013	
Ala.	1,118,657	1,125,369	499,071	394,491		109,330	195,431	2,303	4,220	451,006	483,069	56,947	48,158		
Miss.	615,235	714,774	82,139	211,415		98,589	168,571	2,950	3,228	426,614	416,892	4,943	4,668		
W. S. CENTRAL:															
Ark.	640,939	620,161	33,350	57,939	907	7,127	30,960	77,114	10,870	10,344	558,143	461,583	6,700	6,054	
La.	1,036,264	1,022,229	95,454	108,783	117,393		236,161	336,141	24,368	17,471	551,941	552,101	10,947	7,733	
Okl.	1,174,612	949,655	885,434	573,983		20,505	41,844	9,196	16,536	247,500	306,425	7,977	10,867		
Texas.	1,888,300	2,429,871	844,869	1,218,317	370	100	154,134	197,767	43,806	36,453	782,264	927,648	62,857	49,588	
MOUNTAIN:															
Mont.	579,905	634,690	182,194	214,333			65,588	52,382	27,566	8,836	291,042	341,979	13,515	17,160	
Idaho.	218,043	256,415	51,986	41,874			15,415	11,158	390	430	147,038	199,939	3,214	3,014	
Wyo.	191,044	133,113	26,665	5,318			31,408	6,317	779	822	130,502	118,816	1,690	1,840	
Colo.	1,231,894	1,311,781	888,929	882,566			11,682	16,706	20,789	17,863	297,912	385,714	12,582	8,932	
N. M.	173,363	203,440	19,288	14,101			17,229	46,932	963	969	126,228	131,501	9,655	9,637	
Ariz.	181,560	205,868	51,829	44,629			14,983	21,219	4,667	3,877	96,602	124,586	13,479	11,557	
Utah.	398,551	347,631	206,502	125,352			71,007	97,144	8,442	5,169	110,957	118,448	1,643	1,518	
Nev.	70,170	565,106	35,319	526,241			240	425	325	340	34,636	37,654	1,450	3,446	
PACIFIC:															
Wash.	1,529,268	2,108,088	1,044,796	1,388,082	12	68	63,561	107,588	14,985	30,400	377,190	553,867	28,736	28,151	
Ore.	397,892	506,721	97,575	111,044			56,585	61,243	8,909	14,564	221,350	307,713	13,188	12,089	
Calif.	2,018,109	2,456,518	979,793	1,548,831	329,851	1,425	95,417	132,828	77,287	84,282	486,014	621,199	49,747	67,953	

DIAGRAM 4.—STOCKS OF LARD REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.



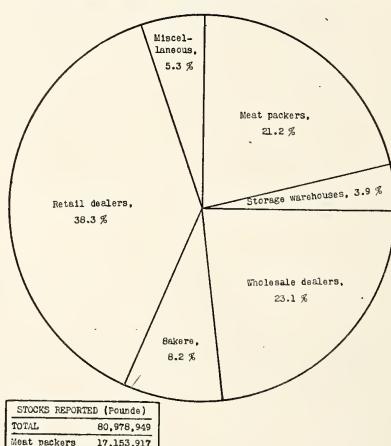
## COMMERCIAL STOCKS OF LARD COMPOUNDS.

Lard compounds, as the term is here used, include all lard substitutes except those purely vegetable in composition, these latter

Table 5.—Stocks of lard compounds reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

Class of business.	Total stocks reported for Jan. 1, 1918.	Comparative figures—from firms reporting for both 1918 and 1917.	
		1918 stocks.	
		Quantity.	Per cent of 1917.
Total.	Pounds.	Pounds.	Pounds.
Meat packers.	17,153,917	16,549,621	105.5
Storage warehouses.	3,187,893	2,272,967	127.0
Cold storage.	573,115	560,475	198.4
Warehouses <sup>s</sup> .	2,614,778	1,712,492	113.7
Wholesale dealers.	18,899,208	16,559,490	76.5
Whole sale grocers.	15,600,862	11,073,636	75.3
Meat and provision jobbers.	1,305,433	1,174,857	126.4
Other wholesale dealers.	1,793,971	1,337,981	70.4
Bakers.	6,069,458	3,572,621	94.7
Retail dealers.	30,980,544	22,345,643	100.9
Retail grocers.	12,996,721	9,299,227	103.2
General stores.	16,216,527	12,367,787	96.5
Retail meat markets.	1,674,611	818,689	128.6
Other retail dealers.	62,685	29,240	102.6
Miscellaneous.	4,287,809	3,217,336	120.1
			2,679,884

DIAGRAM 5.—DISTRIBUTION OF TOTAL STOCKS OF LARD COMPOUNDS REPORTED FOR JANUARY 1, 1918.



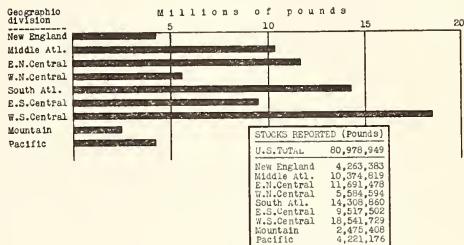
comprising the "solid vegetable cooking fats" for which data are given below. The stocks of such lard compounds in commercial channels on January 1, 1918, as reported for the Food Survey of that date, amounted to 80,978,949 pounds. Of these stocks, the meat packers held 21.2 per cent, the wholesale dealers held 23.1 per cent, and the retail dealers 38.3 per cent, the balance being held by the bakers, the storage warehouses and a miscellaneous group of concerns. The stocks reported by each of these groups, as well as by the various subgroups or classes of dealers, is shown in the first column of Table 5. These stocks are also shown graphically by groups of dealers in Diagram 5. Table 8 shows the number of firms on whose reports these figures are based.

## Geographic Distribution of Stocks Reported.

The states of the West South Central division reported over two-ninths of the stocks of lard compounds in the country. The East South Central division ranked second, while the East North Central division ranked third. In comparison with the population of the various geographic divisions, all three of the Southern divisions reported relatively large stocks of this food product. Table 6 gives the stocks reported for each of the nine geographic divisions as well as for each of the 48 states. The table shows not only the total stocks for the different geographic units but also the stocks reported by each group of business concerns. Diagram 6 presents in graphic form the distribution of these stocks by geographic divisions, while Diagram 7 shows in similar manner the stocks reported for each of the 16 most important states.

Table 6.—Stocks of lard compounds for January 1, 1918, by classes of business, for geographic divisions and states.

DIAGRAM 6.—STOCKS OF LARD COMPOUNDS REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.



Geographic division and state.	WHOLESALE DEALERS.						RETAIL DEALERS						Miscellaneous.	
	TOTAL.	Meat packers.	Storage warehouses.	Total.	Whole-sale grocers.	Meat and provision jobbers.	Other whole-sale dealers.	Bakers.	Total.	Retail grocers.	General stores.	Retail meat markets.	Other retail dealers.	
United States	80,978,949	17,153,917	3,187,893	18,699,268	15,600,862	1,305,135	1,793,271	6,669,458	30,980,544	12,996,721	16,246,527	1,674,611	Pounds. 62,685	Pounds. 4,287,869
GEOG. DIVS.:														
New England	4,263,383	825,210	436,486	872,432	526,473	213,303	132,656	689,790	1,251,085	814,590	407,307	27,818	1,313	188,437
Middle Atl.	10,283,319	2,281,138	936,908	1,708,358	1,074,070	252,035	382,253	2,304,039	2,621,154	1,450,475	710,347	442,541	17,791	523,222
E. N. Central	11,691,478	3,464,242	585,781	963,787	719,316	89,273	155,198	1,732,286	2,964,678	1,680,263	930,390	335,220	805	1,967,704
W. N. Central	5,504,394	1,533,345	477,982	640,909	473,662	101,563	65,684	664,231	2,046,723	935,176	760,318	350,583	646	221,204
South Atl.	14,584,660	2,221,176	165,101	3,051,508	2,700,052	1,149	202,607	1,104,214	2,485,374	2,818,101	1,204,277	3,547,202	24,433	480,240
E. S. Central	9,417,502	1,896,369	151,101	3,051,508	2,835,400	4,982,790	4,842,324	56,952	83,404	9,487,671	3,000,063	5,922,992	37,692	175,588
W. S. Central	18,541,729	3,295,536	203,400	4,982,790	4,754,408	82,429	32,056	135,020	1,176,432	386,531	716,370	72,231	1,300	105,028
Mountain	2,475,108	456,567	11,568	590,793	475,408	82,429	32,056	135,020	1,176,432	386,531	716,370	72,231		
Pacific	4,221,176	1,114,668	203,513	737,806	563,555	163,910	10,341	394,268	1,520,063	769,235	563,450	187,047	331	250,858
NEW ENGLAND:														
Me.	696,380	176,511	-----	104,484	56,416	46,739	1,329	26,160	363,987	191,919	166,492	4,789	787	25,247
N. H.	324,558	52,147	-----	68,115	55,705	11,860	550	20,205	169,466	119,038	48,266	2,106	56	14,925
Vt.	234,159	8,554	510	35,451	32,812	2,639	-----	17,916	165,181	69,964	91,482	3,375	360	6,547
Mass.	2,278,427	504,332	433,365	491,214	323,379	138,753	29,082	388,371	335,150	268,865	77,470	6,745	70	107,992
R. I.	217,117	15,395	2,608	40,513	6,900	26,286	85,429	60,554	53,027	7,132	395	-----		12,618
Conn.	512,433	68,271	-----	12,655	50,834	6,412	75,409	151,709	138,690	111,777	16,465	10,408	40	21,108
MIDDLE ATL.:														
N. Y.	5,445,205	1,288,814	607,734	958,148	597,344	178,007	182,797	1,189,395	1,169,847	753,786	351,575	59,295	5,191	231,267
N. J.	1,851,473	551,292	177,660	223,416	99,938	30,339	93,139	310,191	371,705	306,575	38,907	13,623	12,600	217,209
Pa.	3,078,141	441,032	151,514	526,794	376,788	43,689	106,317	804,453	1,079,602	390,114	319,865	369,623	-----	74,746
E. N. CENTRAL:														
Ohio	1,751,607	280,866	317,739	268,928	202,772	180	65,976	395,406	431,713	271,090	100,769	59,764	90	56,876
Ind.	1,387,437	166,492	136,404	114,721	102,509	7,800	4,412	184,944	763,033	627,903	82,152	52,803	175	21,843
Ill.	5,628,205	2,461,275	123,955	166,701	112,398	39,002	15,301	62,702	455,509	268,246	104,558	82,625	80,173	740,740
Mich.	1,751,928	273,809	13,200	207,681	166,095	42,041	62,545	402,163	724,433	384,494	261,156	78,403	380	67,642
Wis.	1,172,301	281,721	7,480	142,756	135,542	250	6,964	122,751	589,990	128,530	381,755	79,625	80	27,603
W. N. CENTRAL:														
Wyo.	895,443	288,866	104,550	131,364	38,826	67,033	25,505	80,983	245,647	84,814	100,187	60,426	220	44,033
Iowa	712,640	243,651	18,260	34,709	23,973	7,471	3,265	107,277	300,476	149,710	78,243	72,362	161	38,267
Mo.	1,849,196	220,425	355,040	292,174	247,303	44,441	20,430	278,383	631,427	337,123	244,875	49,194	235	71,747
N. D.	159,877	33,406	-----	2,430	1,050	1,380	-----	12,062	106,682	15,821	41,310	49,551	5,297	
S. D.	135,920	13,013	-----	21,041	20,933	108	11,557	80,016	22,360	43,515	14,111	30	10,293	
Nebr.	626,443	215,260	132	108,327	90,863	1,238	16,226	112,068	170,472	70,645	76,093	23,734		17,184
Kan.	1,175,075	515,924	-----	50,864	50,714	150	61,901	512,003	254,703	176,095	81,205	-----		34,383
SOUTH ATL.:														
Del.	132,515	6,017	2,140	11,014	5,114	5,900	21,585	34,677	20,507	6,230	7,940	-----		57,082
Md.	712,255	222,355	37	91,860	35,280	54,301	2,270	90,505	250,555	135,556	93,932	24,965	-----	57,001
D. C.	129,544	81,873	57,620	58,002	26,838	2,835	28,239	112,053	171,191	74,940	2,180	20,371		19,480
Va.	2,047,027	265,479	28,510	843,397	616,920	127,004	99,473	82,170	781,685	354,368	398,266	28,713	338	45,786
W. Va.	896,187	175,897	400	300,933	254,330	-----	46,603	49,376	352,875	60,396	285,242	6,882	355	13,706
N. C.	2,423,186	383,614	-----	923,306	848,509	600	74,197	17,770	1,048,430	346,147	689,749	1,890	10,644	50,066
S. C.	2,051,521	210,611	1,050	695,677	619,817	54,640	21,220	10,748	1,104,527	258,490	837,446	1,935	6,656	28,828
Ga.	3,680,059	654,784	1,262,583	1,156,907	1,271,291	15,561	90,115	20,254	1,621,555	622,653	956,479	6,463	5,960	120,883
Fla.	1,939,610	282,969	75,397	963,813	570,168	27,680	365,965	39,103	510,920	257,654	247,728	5,478	60	67,408
E. S. CENTRAL:														
Ky.	1,153,528	129,248	116,134	440,600	338,202	3,000	99,398	65,185	376,874	162,193	198,433	14,648	1,600	25,487
Tenn.	2,659,086	491,806	34,780	1,078,784	1,058,512	11,387	8,855	26,721	493,491	471,255	493,491	15,743	229	46,884
Ala.	2,702,146	705,760	2,937	752,198	613,902	42,762	93,534	28,837	1,182,300	341,269	833,054	5,917	2,060	30,114
Miss.	3,002,142	569,795	250	780,226	779,436	-----	790	8,701	1,570,197	273,857	1,293,123	2,532	685	72,973
W. S. CENTRAL:														
Ark.	4,802,569	443,414	-----	2,038,902	1,983,958	12,740	42,204	23,549	2,275,377	484,786	1,781,385	5,157	4,049	21,327
La.	4,153,695	1,243,609	116,990	99,383	961,693	-----	37,690	16,806	1,602,903	477,922	1,121,300	1,696	1,985	174,004
Okla.	2,479,665	241,107	48,218	347,316	302,576	43,837	903	67,566	1,737,341	789,997	884,903	60,684	1,757	38,117
Texas	7,105,800	1,367,206	38,192	1,397,189	1,594,207	375	2,607	18,108	1,832,361	2,005,404	30,155	4,130		162,270
mountain:														
Mont.	274,235	72,231	900	37,368	32,152	5,216	-----	23,282	114,684	34,807	64,971	14,906	-----	25,780
Idaho	195,906	18,524	160	44,468	44,468	60	-----	13,484	112,248	34,826	64,352	13,070	-----	7,022
Wyo.	70,733	7,713	-----	3,746	3,006	740	-----	7,748	52,575	13,260	37,691	1,628	-----	1,690
Colo.	683,140	209,042	5,256	10,104	66,963	10,569	26,510	51,609	291,316	146,612	125,105	19,579	20	14,975
N. M.	600,307	26,957	-----	200,727	132,444	-----	7,432	14,838	340,830	61,836	279,292	6,422	1,280	16,361
Ariz.	357,152	29,603	-----	133,242	78,924	53,768	550	7,478	168,515	58,005	104,880	5,630	-----	18,314
Utah	250,640	79,792	4,900	65,930	47,958	12,076	5,896	13,233	69,973	31,354	29,023	9,596	-----	16,812
Nev.	40,843	12,615	352	1,070	1,370	-----	4,624	18,108	5,852	11,056	1,200	-----	4,074	
PACIFIC:														
Wash.	906,695	134,945	16,034	196,854	106,266	85,289	5,299	84,343	399,280	170,810	182,246	46,224	-----	75,239
Ore.	585,711	89,289	-----											

## Comparative Figures for 1918 and 1917.

More than four-fifths of the reports received, based on the amount reported, gave information for January 1, 1917, as well as for January 1, 1918. Comparative figures for the two dates are given in the last three columns of Table 5. These figures indicate that the stocks of lard compounds held by the meat packers on the date of the survey were 5.5 per cent larger than the stocks of this group of concerns one year earlier, and the stocks of the storage warehouses were 27 per cent larger than those on the earlier date. The stocks of the wholesale dealers, however, were only 76.5 per cent, of those of January 1, 1917, and those of the bakers 94.7 per cent, while those of the retailers were almost the same on the two dates. The combined stocks of all groups of concerns were 95.3 per cent of the stocks of January 1, 1917. These comparative stocks are represented graphically in Diagram 8, while Table 7 gives comparative stocks by geographic divisions and states for the different groups of concerns as well as for all groups combined.

Table 7.—Comparative figures for lard compounds, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		MEAT PACKERS.		STORAGE WAREHOUSES.		WHOLESALE DEALERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.		
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	
United States	66,317,687	69,620,458	16,549,621	15,689,181	2,272,967	1,789,082	16,559,499	21,634,711	5,372,621	5,674,480	22,345,643	22,153,120	3,217,336	2,679,884	
GEOG. DIVNS.:															
New England	3,595,649	3,926,371	802,802	633,184	433,378	605,633	738,739	696,496	589,985	648,119	920,355	971,217	113,390	98,722	
Middle Atl.	8,382,282	8,976,954	2,236,091	2,041,134	868,731	534,229	1,402,347	2,347,564	1,865,549	1,841,742	1,583,594	1,471,106	425,970	741,209	
E. N. Central	9,553,192	6,741,368	3,365,077	2,055,083	191,259	185,484	877,958	624,402	1,376,086	1,534,967	1,890,103	1,356,381	1,852,709	985,051	
W. N. Central	4,422,351	4,037,921	1,507,778	1,727,725	358,532	141,250	553,860	427,717	548,790	519,392	1,311,090	1,081,292	142,301	140,545	
South Atl.	1,147,121	2,004,150	1,951,620	3,000	5,902	4,530,390	5,161,393	429,397	4,406,149	4,270,397	1,302,597	4,064,149	283,448	295,745	
E. S. Central	7,029,126	8,811,069	2,887,352	1,627,300	75,264	19,880	2,737,811	3,508,902	89,844	83,298	3,102,597	3,93,500	80,765	58,593	
W. S. Central	15,422,557	19,990,478	3,444,630	4,178,150	159,002	43,632	4,225,743	7,294,051	121,359	131,188	7,153,899	8,119,944	158,889	230,791	
Mountain	1,880,761	1,918,401	380,232	317,755	3,408	43,619	472,084	584,493	103,392	99,447	866,502	833,256	54,824	39,801	
Pacific	3,431,352	3,615,986	1,103,727	1,183,217	180,103	215,450	640,252	636,692	292,111	383,831	1,115,410	1,037,369	93,749	89,427	
NEW ENGLAND:															
Me.	601,905	576,916	176,411	137,015	-----	-----	95,989	99,656	17,953	17,764	296,521	308,098	15,031	14,383	
N. H.	270,921	258,445	52,147	71,235	-----	-----	65,550	41,729	16,105	13,480	132,128	125,967	4,991	6,034	
Vt.	204,847	247,833	8,554	7,669	510	590	34,951	51,749	15,941	17,724	140,579	161,262	4,312	8,839	
Mass.	1,974,296	2,184,381	482,444	333,055	432,868	565,543	453,167	633,568	333,596	381,630	202,794	213,326	69,427	57,259	
R. I.	172,462	252,264	15,395	29,538	39,500	35,573	67,457	78,079	50,568	41,787	63,930	1,628	1,271	1,271	
Conn.	374,218	406,532	67,851	54,672	-----	-----	53,509	75,337	128,311	166,953	106,546	98,634	18,001	10,936	
MIDDLE ATL.:															
N. Y.	4,568,416	4,792,165	1,279,314	893,219	540,361	249,950	751,304	1,596,666	952,238	986,019	865,006	895,383	180,193	170,928	
Ind.	1,052,247	619,459	165,712	103,733	101,863	74,966	153,790	143,159	616,014	283,866	237,247	252,591	210,703	198,075	
Pa.	2,202,485	1,992,688	422,410	372,847	151,250	96,160	439,062	467,032	676,064	631,947	465,997	365,020	47,702	59,682	
E. N. CENTRAL:															
Ohio	1,240,945	954,419	275,885	142,249	167,129	120,556	247,545	145,532	285,244	344,839	224,541	158,738	40,601	42,505	
Ind.	1,052,247	619,459	165,712	103,733	101,863	74,966	153,790	143,159	616,014	283,866	237,247	252,591	210,703	198,075	
Ill.	5,116,767	3,185,284	1,453,371	1,283,362	3,450	51,200	156,154	164,514	495,579	504,111	276,333	244,672	1,731,789	877,421	
Mich.	1,394,048	1,302,808	254,356	251,270	13,200	230,520	149,011	304,986	389,760	510,836	464,634	44,150	35,833	35,833	
Wis.	749,276	679,398	215,753	274,449	7,480	1,428	141,876	90,379	100,487	93,094	262,379	202,047	21,301	18,001	
W. N. CENTRAL:															
Minn.	642,734	497,430	288,866	203,245	3,100	-----	105,068	53,365	65,184	92,701	145,952	123,635	34,564	24,484	
Iowa	564,851	467,513	224,115	172,416	2,660	-----	33,977	39,919	85,888	86,940	181,435	149,459	15,770	15,770	
Mo.	1,505,709	1,182,964	202,691	168,798	352,640	141,250	269,356	242,246	236,806	237,133	389,210	323,625	55,006	67,002	
N. D.	123,986	68,536	33,406	9,522	-----	-----	2,430	1,316	7,172	8,890	77,696	45,475	3,282	3,333	
S. D.	103,607	98,272	13,013	7,663	-----	-----	20,744	32,709	9,547	7,449	54,468	43,927	5,835	6,524	
Nebr.	525,325	317,737	218,188	150,827	132	-----	82,783	19,399	103,640	44,705	109,586	91,952	10,996	10,854	
Kan.	956,139	1,405,469	509,499	1,015,254	-----	-----	39,502	35,763	40,553	41,574	352,743	301,209	13,842	8,669	
SOUTH ATL.:															
Del.	58,208	41,148	5,502	270	2,140	420	9,564	9,082	19,153	10,393	20,497	20,219	1,352	764	
Md.	598,464	662,491	217,579	195,471	225	86,428	91,663	78,810	132,885	169,377	204,666	46,270	37,583	37,583	
D. C.	336,827	241,178	3,186	16,995	-----	57,193	43,044	110,250	108,876	77,740	67,342	9,763	5,221	5,221	
Va.	1,694,327	1,435,376	251,517	214,959	-----	783,631	630,300	801,411	79,434	550,144	515,220	129,954	782	5,475	
W. Va.	745,436	1,190,054	170,643	104,400	100	4,000	28,171	161,474	36,093	29,431	252,083	129,954	5,475	5,475	
N. C.	2,051,931	1,911,729	323,294	143,238	-----	869,409	968,988	10,028	5,250	808,901	704,725	40,299	86,508	86,508	
S. C.	1,707,157	1,809,640	185,128	146,032	1,050	1,260	616,734	803,866	6,088	3,473	871,791	82,790	26,366	27,210	
Ga.	3,095,427	3,568,739	553,334	791,721	-----	1,169,135	1,546,985	13,479	17,272	1,276,230	1,156,582	83,249	56,179	56,179	
Fla.	1,408,025	1,631,648	282,969	334,467	-----	672,522	826,984	31,631	35,590	373,030	386,246	45,873	48,361	48,361	
E. S. CENTRAL:															
Ky.	815,313	619,339	114,474	50,209	41,134	18,680	365,881	305,300	40,080	29,772	239,600	205,214	14,144	10,164	
Tenn.	2,246,044	2,441,144	490,246	569,648	33,880	1,000	953,588	1,165,141	17,721	17,225	713,018	688,838	37,591	19,292	
Ala.	2,295,434	2,661,909	664,337	459,437	-----	675,575	1,039,350	24,004	27,663	911,564	1,122,713	19,954	12,746	12,746	
Miss.	2,572,335	2,859,277	568,295	548,266	250	200	742,767	1,089,111	7,541	8,568	1,238,415	1,196,741	15,067	16,391	16,391
W. S. CENTRAL:															
Ark.	4,129,842	4,737,701	436,014	636,811	-----	1,969,675	2,446,231	12,174	13,541	1,694,739	1,628,516	17,240	12,602	12,602	
La.	3,435,103	4,676,620	1,200,828	1,628,180	116,990	480	803,250	1,622,511	10,911	11,160	1,262,273	1,457,968	40,851	46,321	46,321
Okla.	1,834,945	2,142,854	241,082	234,049	12,203	33,820	337,763	671,948	47,566	52,192	1,172,794	1,115,062	23,537	15,783	15,783
Texas	6,022,967	8,343,303	1,366,706	1,632,833	29,809	3,332	1,475,090	2,553,361	50,708	54,294	3,024,093	3,943,398	76,561	156,085	156,085
MOUNTAIN:															
Mont.	166,523	145,923	47,414	39,044	900	-----	11,747	13,661	16,884	20,125	77,633	59,414	11,945	13,679	
Idaho	145,337	131,681	8,901	8,254	-----	44,668	45,558	9,554	9,843	80,656	64,324	4,558	2,702	2,702	
Wyo.	45,973	45,429	2,807	-----	-----	-----	3,746	1,995	6,117	6,403	34,888	36,166	1,415	865	865
Colo.	569,223	615,816	205,437	178,376	2,156	43,364	93,931	141,749	44,263	42,443	214,780	204,358	8,656	5,529	5,529
N. M.	517,534	508,955	26,957	26,109	-----	195,789	224,412	4,630	3,375	278,889	250,925	11,269	4,164	4,164	
Ariz.	225,641	332,427	29,603	30,981	-----	63,178	114,135	6,021	7,196	122,715	175,610	3,194	4,505	4,505	
Utah	172,779	104,938	46,498	18,211	-----	58,684	40,707	10,576	6,680	43,578	32,367	11,043	6,973	6,973	
Nev.	31,781	33,202	12,615	16,810	352	235	660	1,276	4,047	3,382	11,363	10,092	2,744	1,387	
PACIFIC:															
Wash.	651,503	569,160	129,347	115,983	9,364	2,666	169,486	167,620	55,810	50,808	270,389	218,138	17,107	13,945	13,945
Ore.	496,774	392,174	89,289	52,072	-----	149,779	108,909	44,493	38,360	201,994	181,565	11,219	11,268	11,268	
Calif.	2,283,075	2,654,652	885,091	1,015,162	170,739	212,784	320,987	420,163	19						

Table 8.—Number of firms reporting lard compounds, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	139,554	89,860
Meat packers.....	1,139	1,030
Storage warehouses.....	111	69
Cold storages.....	29	20
Warehouses.....	82	79
Wholesale dealers.....	3,454	2,913
Wholesale grocers.....	2,713	2,377
Meat and provision jobbers.....	300	254
Other wholesale dealers.....	441	288
Bakers.....	11,542	8,227
Retail dealers.....	117,559	74,079
Retail grocers.....	66,486	39,536
General stores.....	45,748	30,958
Retail meat markets.....	7,232	3,538
Other retail dealers.....	93	47
Miscellaneous.....	5,749	3,542

## COMMERCIAL STOCKS OF SOLID VEGETABLE COOKING FATS.

The total stocks of solid vegetable cooking fats reported in the Survey of January 1, 1918, amounted to 36,156,280 pounds. The bulk of these stocks were held by wholesalers and retailers, the former reporting slightly more than three-tenths and the latter somewhat less than three-tenths of the total. The stocks held by each group of concerns from which reports were received are shown in the first column of Table 9, and are graphically represented in Diagram 9.

The number of firms reporting stocks of solid vegetable cooking fats is shown by groups and classes of dealers in Table 10.

### Geographic Distribution of Stocks Reported.

The stocks reported for each geographic division as well as for the individual states are shown in Table 11. While the East North Central division again leads in stocks reported, the Southern and Pacific groups of states show considerably larger stocks on a per capita basis. The stocks reported for the entire country are shown graphically by geographic divisions in Diagram 10, while the stocks reported for the twenty most important states are similarly shown in Diagram 11. The first five states in the latter diagram, namely, Illinois, New York, Ohio, California, and Texas, together reported nearly two-fifths of the total stocks for the country.

Table 9.—Stocks of solid vegetable cooking fats reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.		
		1918 stocks.		1917 stocks.
		Quantity.	Per cent of 1917.	
Total.....	36,156,280	Pounds. 30,512,492	Pounds. 115.6	Pounds. 26,385,666
Warehouses.....	2,230,243	1,300,096	143.5	905,781
Wholesale dealers.....	11,834,107	10,539,312	89.6	11,766,296
Wholesale grocers.....	9,144,424	8,045,220	85.1	9,453,215
Meat and provision jobbers.....	425,669	380,800	138.4	275,159
Other wholesale dealers.....	2,264,017	2,413,292	103.7	2,038,422
Meat packers.....	2,218,299	1,924,169	113.9	1,690,054
Bakers.....	2,499,517	2,149,483	119.3	2,001,597
Retail dealers.....	10,438,034	7,877,753	135.7	5,804,248
Retail grocers.....	6,576,685	5,097,845	156.8	3,500,390
General stores.....	3,648,974	2,667,068	108.4	2,467,536
Other retail dealers.....	212,378	112,860	130.6	86,422
Miscellaneous.....	6,936,080	6,721,679	152.2	4,417,190
Oil mills.....	1,724,599	1,724,599	99.9	1,726,350
Soap manufacturers.....	347,340	383,700	149.6	256,570
Lard compound manufacturers.....	1,039,027	1,287,477	138.0	933,156
Oleomargarine manufacturers.....	1,209,361	1,167,960	731.0	1,157,048
Other miscellaneous.....	2,332,153	2,177,853	162.1	1,343,662

DIAGRAM 8.—STOCKS OF LARD COMPOUNDS REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

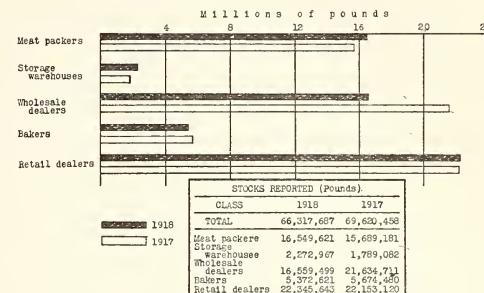


DIAGRAM 9—DISTRIBUTION OF TOTAL STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR JANUARY 1, 1918.

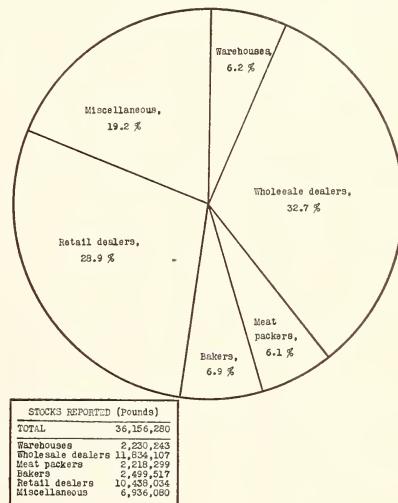


Table 10.—Number of firms reporting solid vegetable cooking fats, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	71,466	46,880
Warehouses.....	65	38
Wholesale dealers.....	2,387	2,021
Wholesale grocers.....	2,099	1,822
Meat and provision jobbers.....	63	46
Other wholesale dealers.....	225	153
Meat packers.....	308	229
Bakers.....	2,326	1,456
Retail dealers.....	64,524	41,505
Retail grocers.....	42,336	27,779
General stores.....	20,702	13,510
Other retail dealers.....	1,486	606
Miscellaneous.....	1,856	1,541
Oil mills.....	1	1
Soap manufacturers.....	7	5
Lard compound manufacturers.....	6	4
Oleomargarine manufacturers.....	8	6
Other miscellaneous.....	1,834	1,525

## Comparative Figures for 1918 and 1917.

Slightly more than five-sixths of the reports, based on stocks reported, gave information for January 1, 1917, as well as for January 1, 1918. The comparative stocks as shown by these two-year reports are given, by groups and classes of dealers, in the last three columns of Table 9, and are shown by geographic divisions and states, for each of these groups of dealers, in Table 12. The figures indicate a considerable increase in stocks of solid vegetable cooking fats for all the more important classes of dealers with the exception of the wholesale grocers. The total stocks reported for January 1, 1918, were 15.6 per cent larger than those of January 1, 1917. The relative holdings of each group of dealers on the two dates are represented in graphic form in Diagram 12.

DIAGRAM 10.—STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.

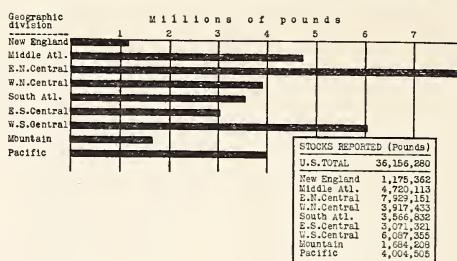


Table 11.—Stocks of solid vegetable cooking fats for January 1, 1918, by classes of business, for geographic divisions and states.

Geographic Division and State.	Total.	Warehouses.	Wholesale Dealers.			Meat packers.	Bakers.	Retail Dealers.				Miscellaneous.	
			Total.	Wholesale grocers.	Meat and provision jobbers.			Total.	Retail grocers.	General stores.	Other retail dealers.		
				Pounds.	Pounds.	Pounds.	Pounds.		Pounds.	Pounds.	Pounds.		
United States—	36,156,280	2,230,243	11,834,107	9,144,421	425,669	2,264,017	2,218,299	2,499,517	10,438,034	6,576,685	3,648,971	212,378	6,936,089
Geog. Divisions:													
New England—	1,175,362	58,632	288,501	216,150	59,470	12,881	57,843	246,544	393,958	325,433	61,642	6,883	129,884
Middle Atlantic—	4,270,113	137,077	1,312,407	979,923	108,407	224,077	110,376	599,580	935,580	731,683	182,900	20,997	1,625,093
East North Central—	7,929,151	554,352	1,401,442	896,781	36,310	108,351	482,668	599,690	879,710	567,087	260,590	52,033	4,371,289
West North Central—	3,917,433	481,895	1,264,663	967,914	72,877	223,872	261,050	407,694	1,371,401	886,862	430,013	54,526	130,730
South Atlantic—	3,566,832	70,186	2,023,111	1,212,748	8,050	802,313	307,983	195,231	846,978	420,954	101,752	24,272	123,343
East South Central—	3,071,321	41,200	1,472,024	972,118	73,851	426,055	478,569	74,442	970,107	611,934	353,227	4,946	34,979
West South Central—	6,087,355	134,149	2,073,576	2,471,124	56,840	175,612	345,925	129,920	2,348,821	1,514,715	1,179,267	14,839	424,964
Mountain—	1,684,208	162,487	718,453	599,749	9,350	189,754	50,611	74,373	662,643	273,692	350,493	8,458	15,241
Pacific—	4,004,505	590,265	1,009,530	827,914	514	181,102	123,274	172,043	2,028,836	1,604,325	399,087	25,424	80,557
New England:													
Maine—	157,221	4,840	18,222	16,762	36	1,424	13,861	33,835	85,909	72,671	12,820	418	554
New Hampshire—	102,084	43,953	43,204	749	69	—	11,412	3,475	42,627	25,858	16,153	616	617
Vermont—	66,081	—	9,160	9,094	—	—	—	17,275	38,658	25,342	12,277	1,039	988
Massachusetts—	613,245	45,748	137,366	79,423	57,779	164	24,889	137,989	148,378	134,526	11,411	2,441	118,875
Rhode Island—	52,768	—	24,105	13,237	—	—	10,868	495	3,210	21,425	19,450	1,017	958
Connecticut—	183,963	8,044	55,695	54,430	840	425	7,186	50,760	56,961	47,586	7,964	1,411	5,317
Middle Atlantic:													
New York—	2,989,454	33,917	703,474	496,370	61,808	145,296	52,397	345,574	435,416	345,627	80,557	9,232	11,418,676
New Jersey—	487,355	—	150,713	148,192	985	1,536	19,069	65,111	129,899	111,333	15,205	3,161	122,562
Pennsylvania—	1,243,305	103,160	458,220	335,361	45,614	77,245	38,910	188,895	370,265	274,523	87,138	6,804	83,855
E. N. Central:													
Ohio—	2,634,705	32,970	406,288	398,584	—	7,704	19,582	135,129	208,841	153,252	39,428	16,161	21,831,895
Indiana—	530,853	76,070	155,006	124,755	23,068	7,183	79,585	79,248	117,467	87,145	20,794	9,528	23,477
Illinois—	3,379,206	379,112	194,478	165,568	1,398	27,512	330,715	195,041	249,488	142,086	98,165	9,237	31,930,372
Michigan—	559,889	20,000	173,731	95,935	11,844	65,952	24,737	147,328	175,398	111,645	53,827	9,926	18,695
Wisconsin—	921,493	46,200	111,939	111,939	—	—	28,049	42,944	128,516	72,959	48,376	7,181	566,850
W. N. Central:													
Minnesota—	1,008,633	220,206	160,495	97,003	60	63,432	105,773	73,533	417,998	352,157	45,331	20,510	30,628
Iowa—	549,194	—	242,922	193,163	43,105	6,654	62,176	183,880	109,657	63,422	10,801	24,588	—
Missouri—	1,083,923	187,625	467,621	293,395	29,707	144,519	8,457	146,803	233,108	160,863	65,535	6,710	43,309
North Dakota—	107,386	—	36,933	36,933	—	—	300	2,255	66,886	16,241	49,780	867	1,511
South Dakota—	167,690	—	18,435	15,086	—	—	3,349	57,715	15,090	72,417	23,233	46,299	2,885
Nebraska—	387,170	72,114	40,675	40,323	5	547	14,280	8,270	1,375	132,083	46,040	7,455	21,946
Kansas—	607,377	1,950	297,382	292,011	—	5,371	51,501	22,731	229,098	139,671	82,191	7,236	4,715
South Atlantic:													
Delaware—	10,587	—	1,476	1,476	—	—	2,052	7,047	5,767	1,208	72	12	—
Maryland—	385,955	30	164,829	18,733	—	146,046	25,773	102,413	44,271	37,116	6,655	500	48,639
District of Columbia—	151,894	850	72,695	46,813	—	25,882	4,307	38,954	34,082	33,291	783	8	1,010
Virginia—	449,208	—	253,806	126,920	—	126,886	50,318	16,362	92,947	64,267	27,120	1,560	35,275
West Virginia—	328,013	66,235	155,933	155,829	—	104	9,471	10,694	84,998	33,503	50,517	978	682
North Carolina—	457,719	—	302,932	199,943	8,050	94,939	37,820	5,595	110,644	41,113	58,761	10,770	728
South Carolina—	310,247	—	168,120	153,840	—	14,280	1,270	1,375	132,083	43,876	86,651	1,556	399
Georgia—	903,220	—	506,378	356,008	—	150,370	141,611	13,690	209,609	84,414	116,784	8,211	32,332
Florida—	569,985	3,071	396,942	153,136	—	243,806	31,913	3,396	131,297	77,407	53,273	617	4,066
E. S. Central:													
Kentucky—	237,861	—	185,215	115,673	—	69,542	3,722	72,361	67,592	44,911	20,165	2,516	8,971
Tennessee—	1,235,102	41,200	622,507	496,475	36,172	89,860	418,221	102	142,010	78,434	62,996	580	11,062
Alabama—	982,142	—	415,412	158,454	37,679	219,279	46,247	1,096	514,067	448,049	64,793	1,225	5,320
Mississippi—	516,216	—	248,890	201,516	—	47,374	10,379	833	246,438	40,540	205,273	625	9,626
W. S. Central:													
Arkansas—	1,636,468	48,360	1,011,215	850,590	—	160,625	43,287	15,921	51,947	157,319	358,276	1,352	736
Louisiana—	849,751	36,555	143,059	143,059	—	—	40,753	9,325	210,569	66,893	143,229	447	409,495
Oklahoma—	1,248,653	16,929	409,528	401,609	—	7,919	141,654	98,082	57,697	308,224	261,595	9,878	2,763
Texas—	2,352,485	32,310	1,139,774	1,075,866	56,840	7,968	120,231	6,592	1,041,608	622,279	416,167	3,162	11,970
Mountain:													
Montana—	239,389	—	143,758	121,022	200	22,536	7,078	7,358	79,632	31,828	46,236	1,568	1,563
Idaho—	198,474	—	86,305	86,305	—	—	12,650	3,334	93,464	38,904	53,909	651	2,721
Wyoming—	37,110	—	8,564	6,499	—	2,074	—	437	28,051	11,579	16,071	401	58
Colorado—	594,781	155,295	246,825	153,491	9,150	84,184	20,591	30,190	136,774	78,901	53,468	4,405	5,109
New Mexico—	149,941	560	74,816	74,816	—	—	—	815	118,258	30,964	87,232	62	542
Arizona—	257,930	—	108,163	107,203	—	960	2,302	1,565	145,132	50,112	94,720	300	768
Utah—	136,862	6,380	47,656	47,656	—	7,990	30,674	39,862	22,324	17,039	499	4,300	—
Nevada—	24,668	252	2,766	2,766	—	—	—	21,470	9,080	11,818	572	180	—
Pacific:													
Washington—	956,733	219,138	234,661	212,900	—	21,761	85,287	66,808	309,610	197,402	105,047	7,161	41,229
Oregon—	523,890	197,067	144,719	144,579	—	140	—	28,534	249,569	146,996	99,453	3,120	9,001
California—	2,418,882	174,060	630,150	470,435	514	159,201	37,987	76,701	1,469,637	1,259,927	194,587	15,143	30,327

1 Includes large stocks reported by lard compound manufacturers and soap manufacturers.

2 Includes large stocks reported by oil mills.

3 Includes large stocks reported by cleamargarine manufacturers, lard compound manufacturers and soap manufacturers.

DIAGRAM 11.—STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR THE EIGHTEEN MOST IMPORTANT STATES.

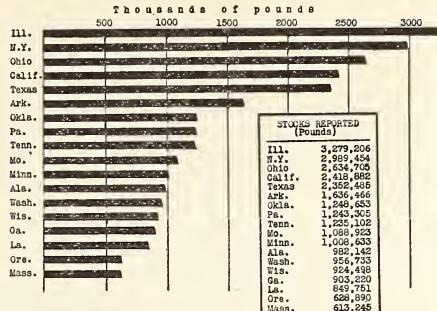


DIAGRAM 12.—STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

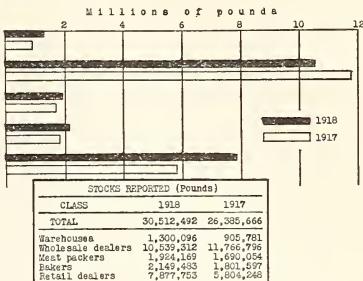


Table 12.—Comparative figures for solid vegetable cooking fats, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		WAREHOUSES.		WHOLESALE DEALERS.		MEAT PACKERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States	30,512,492	28,385,666	1,300,096	905,781	10,539,312	11,766,796	1,924,169	1,690,054	2,149,483	1,801,597	7,877,753	5,804,248	6,721,679	4,417,190
GEORG. DIVIS.:														
New England	984,727	892,218	50,430	26,908	250,649	328,187	47,012	19,188	217,658	180,355	291,626	274,338	127,352	63,212
Middle Atl.	4,119,842	3,832,427	109,460	140,080	1,133,445	868,177	94,899	141,591	522,239	621,356	674,191	602,648	1,585,608	1,458,575
E. N. Central	7,195,059	4,538,455	403,186	22,942	95,056	650,104	476,012	295,242	487,640	367,910	567,984	504,949	4,307,181	2,947,308
W. N. Central	3,063,360	2,464,463	210,770	168,825	1,126,352	1,134,542	199,112	164,739	373,071	248,608	1,039,701	654,071	114,292	94,622
South Atl.:	2,985,236	2,974,962	11,810	22,500	1,864,293	1,779,610	262,577	536,104	183,060	102,455	606,865	487,107	56,631	47,186
E. S. Central	2,718,682	2,351,315	41,200	48,120	1,323,489	1,755,438	470,452	140,467	66,793	67,424	787,555	318,611	29,193	21,255
W. S. Central	5,030,539	5,987,858	53,479	14,089	2,420,495	3,725,495	304,054	379,225	121,265	42,926	1,720,107	1,678,394	411,139	147,729
Mountain	1,259,108	1,215,947	102,902	146,626	608,956	574,616	26,158	7,607	68,389	74,603	474,377	395,535	14,326	16,959
Pacific	3,119,939	2,127,617	316,859	115,691	858,577	950,627	43,893	5,891	109,306	96,500	1,715,347	888,594	75,957	70,314
NEW ENGLAND:														
Me.	131,446	109,966	4,700	-----	17,273	28,799	11,467	2,400	25,385	11,038	72,621	67,729	-----	-----
N. H.	82,282	64,165	-----	-----	36,644	37,791	10,932	-----	3,125	600	33,964	24,966	617	808
Vt.	55,622	73,379	-----	-----	9,094	27,365	-----	-----	12,849	15,428	32,693	30,033	988	1,553
Mass.	523,743	391,170	45,730	26,908	118,738	100,745	22,333	15,277	125,608	105,426	93,853	90,704	117,391	52,110
R. I.	47,149	57,853	-----	-----	22,691	36,582	495	-----	2,800	2,885	17,637	14,611	3,526	3,775
Conn.	141,485	194,685	-----	-----	46,209	96,905	1,785	1,511	47,803	41,978	40,858	46,295	4,830	4,996
MIDDLE ATL.:														
N. Y.	2,689,550	2,450,516	6,300	-----	623,100	475,447	40,969	29,283	301,309	412,254	332,749	326,713	1,385,123	1,206,279
N. J.	412,118	464,237	163,123	43,496	19,069	98,013	46,391	42,029	89,247	92,566	121,288	128,183	128,183	128,183
Pa.	1,018,174	917,674	103,160	140,080	374,222	349,234	34,861	13,755	174,539	167,073	252,195	183,369	79,197	64,163
E. N. CENTRAL:														
Ohio	2,507,709	2,301,376	32,970	90,240	388,993	177,773	19,582	38,179	107,615	93,840	131,132	96,410	1,828,817	1,804,935
Ind.	391,382	168,630	-----	-----	151,618	74,555	79,223	4,150	65,971	23,647	72,013	54,822	22,557	9,426
Ill.	3,041,973	1,466,894	304,016	66,502	160,704	171,391	325,966	221,561	161,157	159,097	161,635	205,653	1,928,495	642,690
Mich.	467,488	395,883	20,000	20,000	160,574	173,709	23,912	16,902	130,274	70,373	114,860	96,376	17,868	18,523
Wis.	7,687,107	203,672	46,200	46,200	91,167	52,646	27,329	14,451	22,623	18,953	88,344	51,688	51,444	21,734
W. N. CENTRAL:														
Minn.	699,144	342,102	-----	-----	125,324	83,612	105,423	93,522	68,728	31,303	371,685	101,999	27,984	31,566
Iowa	491,952	364,199	-----	-----	241,673	184,694	35,148	12,597	60,678	131,572	100,558	22,881	25,745	-----
Mo.	933,631	965,512	187,625	159,450	419,397	555,738	7,620	250	130,231	118,334	154,892	135,951	33,866	18,789
N. D.	83,962	45,224	-----	-----	31,043	5,868	300	-----	475	875	50,847	37,757	1,297	1,184
S. D.	90,692	90,906	-----	-----	18,435	24,040	-----	-----	13,690	24,328	54,959	40,023	3,608	2,515
Nebr.	292,694	247,880	21,195	5,055	39,516	86,942	1,676	6,010	81,629	21,437	128,430	113,336	20,248	13,100
Kan.	471,285	404,606	1,950	4,320	250,964	213,648	48,945	52,360	17,702	11,186	147,376	122,907	4,408	1,623
SOUTH ATL.:														
Del.	6,777	8,925	-----	-----	1,476	4,538	-----	-----	1,902	840	3,387	3,535	12	12
Md.	316,285	339,350	30	22,500	147,800	196,591	25,773	40,478	98,805	29,121	34,408	18,487	39,469	32,173
D. C.	139,932	83,188	-----	-----	70,835	11,149	1,023	2,740	38,378	42,041	28,686	26,446	1,010	812
Va.	370,393	311,057	-----	-----	232,682	212,688	48,051	32,633	13,227	5,556	69,534	56,246	6,899	3,934
W. Va.	239,158	119,142	11,780	-----	150,328	75,772	8,871	5,263	9,255	5,052	55,364	31,974	560	1,081
N. C.	387,841	316,623	-----	-----	277,790	239,413	33,680	8,248	4,995	4,395	70,648	63,521	728	1,046
S. C.	269,271	345,117	-----	-----	167,865	211,698	9,790	58,000	495	395	92,941	75,024	-----	-----
Ga.	717,174	888,024	-----	-----	438,286	489,872	109,516	268,928	13,552	10,190	151,883	115,501	3,937	3,443
Fla.	508,405	563,536	-----	-----	377,231	337,889	27,693	119,814	2,451	4,865	97,014	96,283	4,016	4,685
E. S. CENTRAL:														
Ky.	293,701	260,670	-----	-----	183,264	167,193	3,242	180	66,233	67,024	32,516	20,067	8,446	6,206
Tenn.	1,070,592	975,055	41,200	48,120	504,131	705,548	41,884	111,660	1,022	5,940	103,315	104,166	9,062	8,561
Ala.	935,877	544,240	-----	-----	414,123	463,942	45,947	25,504	1,022	4,849	472,068	53,921	3,739	873
Miss.	418,512	568,350	-----	-----	221,971	418,755	10,379	3,123	560	400	177,656	140,457	7,946	5,615
W. S. CENTRAL:														
Ark.	1,390,173	1,802,814	-----	-----	973,718	1,330,063	37,993	64,772	14,765	9,252	363,004	396,806	693	1,921
La.	709,202	631,755	36,550	190	95,522	240,074	18,186	51,977	7,022	5,940	153,737	183,769	398,185	129,805
Okl.	1,075,335	1,153,328	16,929	13,899	409,018	734,799	141,654	4,849	95,572	23,935	409,849	372,821	2,313	3,025
Texas	1,855,829	2,399,961	-----	-----	942,237	1,400,559	106,221	257,627	3,906	3,799	793,517	724,998	9,948	12,978
MOUNTAIN:														
Mont.	205,790	108,231	-----	-----	139,678	66,988	3,265	200	6,221	3,915	55,170	34,780	1,456	2,348
Idaho	145,104	87,792	-----	-----	69,780	41,185	-----	-----	2,674	3,361	70,174	42,720	2,476	526
Wyo.	25,422	26,331	-----	-----	6,490	7,673	-----	-----	-----	-----	18,914	18,643	18	15
Colo.	427,711	510,737	98,870	138,080	175,917	216,865	20,591	7,227	26,930	49,307	100,535	92,576	4,868	6,682
N. M.	153,239	212,877	-----	-----	74,366	121,273	-----	-----	815	350	77,720	90,880	338	374
Ariz.	209,501	166,483	-----	-----	45,794	82,674	2,302	180	1,075	200	109,612	83,078	718	351
Utah	109,281	86,328	3,750	8,150	44,897	34,371	-----	-----	30,674	17,470	25,658	20,249	4,272	6,088
Nev.	19,060	17,168	252	396	2,034	3,587	-----	-----	16,594	12,610	180	12,610	575	575
PACIFIC:														
Wash.	566,809	496,598	41,642	11,843	211,187	227,047	5,906	5,023	47,059	46,733	220,482	161,945	40,533	44,007
Ore.	521,899	261,715	197,067	38,913	106,398	64,220	-----	-----	16,690	18,943	192,794	136,592	8,950	3,047
Calif.	2,031,231	1,369,304												

## COMMERCIAL SUPPLY OF OLEO STOCK, OLEO OIL, AND EDIBLE TALLOW.

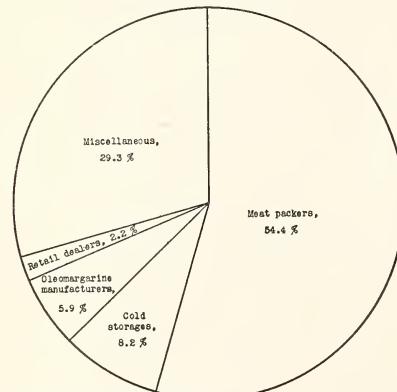
The total supply of oleo stock, oleo oil, and edible tallow reported in the Food Survey of January 1, 1918, amounted to 51,023,934 pounds. Of this amount, considerably more than half was reported by the meat packers. The cold storage warehouses held 8.2 per cent of the total and the oleomargarine manufacturers held 5.9 per cent, the balance being in possession of retail dealers and miscellaneous concerns. The stocks reported by each of these groups of business firms are given in the first column of Table 13, while the relative amounts held by the different groups are graphically represented in Diagram 13. The number of firms reporting oleo stock, oleo oil, and edible tallow is shown in Table 14.

Table 13.—Oleo stock, oleo oil, and edible tallow reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	COMPARATIVE FIGURES FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			
	1918 stocks.		1917 stocks.	
	Quantity	Per cent of 1917.	Quantity	Per cent of 1917.
Total.	Pounds.	Pounds.	Pounds.	Pounds.
	51,023,934*	44,927,408	109.6	40,991,730
Meat packers	27,755,074	26,350,832	136.1	19,363,516
Cold storages	4,202,570	2,373,266	133.9	1,771,890
Oleomargarine manufacturers	2,998,696	2,435,312	161.1	1,511,710
Retail dealers	1,104,977	686,527	106.0	647,680
Miscellaneous	14,962,617	13,081,441	73.9	17,696,934

\* Includes 783,021 pounds reported by six firms classified as oleo renderers.

DIAGRAM 13.—DISTRIBUTION OF TOTAL AMOUNT OF OLEO STOCK, OLEO OIL, AND EDIBLE TALLOW REPORTED FOR JANUARY 1, 1918.



### Geographic Distribution of Stocks Reported.

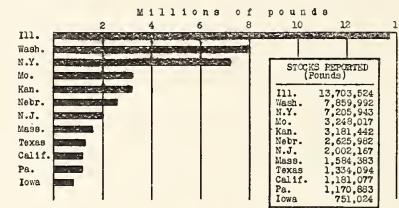
The geographic distribution of the stocks reported for the survey is shown in Table 15, which gives data for geographic divisions as well as for the individual states. These stocks are also shown

graphically for the twelve most important states in Diagram 14. Illinois, it will be noticed, led all other states in stocks of this food commodity by a very wide margin. In fact, Illinois alone reported not far from one-fourth of all the stocks reported for the entire country. More than two-thirds of the Illinois stocks were held by the meat packers. The states of Washington and New York each held more than twice as much as any other one state with the exception of Illinois.

Table 14.—Number of firms reporting oleo stock, oleo oil, and edible tallow, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	16,450	9,522
Meat packers	238	194
Cold storages	18	11
Oleomargarine manufacturers	21	17
Retail dealers	12,958	7,293
Miscellaneous	3,215	2,007

DIAGRAM 14.—OLEO STOCK, OLEO OIL, AND EDIBLE TALLOW REPORTED FOR THE TWELVE MOST IMPORTANT STATES.



### Comparative Figures for 1918 and 1917.

Nearly nine-tenths of the reports, based on quantity reported, gave information for January 1, 1917, as well as for January 1, 1918. The comparative stocks for the two dates, as indicated by these two-year schedules, are shown in the last three columns of Table 13 and are graphically represented in Diagram 15. As indicated by these figures, the stocks on hand at the date of the survey were 9.6 per cent larger than the stocks on hand a year earlier. This increase was largely the result of increased holdings by the meat packers. Comparative figures are also shown by geographic divisions and states in Table 16.

DIAGRAM 15.—OLEO STOCK, OLEO OIL, AND EDIBLE TALLOW REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

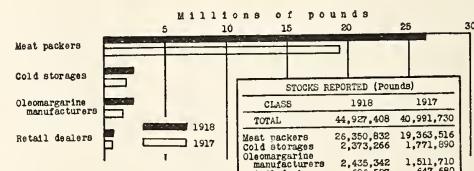


Table 15.—Quantity of oleo stock, oleo oil, and edible tallow reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL, United States	Meat packers.	Cold storages.	Oleomargarine manufacturers.	Retail dealers.	Miscellaneous.
		Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
Geog. Divs.	51,023,934	27,755,074	4,202,570	2,998,694	1,104,977	14,962,617
New England	2,397,725	1,151,326	117,564	284,085	120,678	724,072
Middle Atl.	10,378,993	3,165,534	3,057,636	655,446	234,751	3,265,626
E. N. Central	15,443,277	11,070,505	917,094	1,921,277	274,491	1,239,914
W. N. Central	10,381,713	9,660,010	1,389	117,742	140,029	49,009
South Atl.	539,852	220,086	69,122	20,146	40,712	243,887
E. S. Central	1,483,955	41,329	37,500	—	20,172	49,594
W. S. Central	2,168,836	1,788,922	—	—	91,342	288,572
Mountain	458,419	350,174	—	—	55,026	23,219
Pacific	9,072,523	330,718	3,578	—	127,503	8,610,724
NEW ENGLAND:						
Me.	98,062	2,735	—	—	8,571	86,756
N. H.	31,435	26,720	—	—	2,788	1,987
Vt.	6,278	990	—	—	3,042	2,246
Mass.	1,584,383	919,076	—	1,678	93,671	569,958
R. I.	529,686	112,366	117,564	282,407	4,294	13,055
Conn.	147,821	89,439	—	—	8,312	50,070
MIDDLE ATL.:						
N. Y.	7,205,943	1,716,888	2,690,080	17,400	111,402	2,670,173
N. J.	2,002,167	554,557	367,556	601,862	26,295	451,897
Pa.	1,170,883	894,089	—	36,184	97,054	143,556
E. N. CENTRAL:						
Ohio	498,657	156,100	7,090	100,920	72,834	161,713
Ind.	448,194	382,453	—	—	30,556	31,855
Ill.	13,703,524	10,211,291	910,000	1,537,031	66,490	978,712
Mich.	280,447	190,613	—	6,122	62,493	51,219
Wis.	512,455	160,048	—	277,204	41,818	33,335
W. N. CENTRAL:						
Minn.	500,195	462,393	—	—	25,703	21,099
Iowa	751,024	649,838	—	—	37,585	63,598
Mo.	3,248,017	2,813,675	—	117,742	24,854	291,746
N. D.	11,067	—	—	—	6,736	4,331
S. D.	34,956	8,161	—	—	5,474	21,351
Neb.	2,625,982	2,526,547	—	—	16,754	82,681
Kan.	3,181,442	3,145,866	80	—	23,193	12,303
SOUTH ATL.:						
Del.	5,824	—	1,332	—	291	4,201
Md.	438,766	172,599	45,300	20,146	6,163	19,506
D. C.	43,453	12,000	22,490	—	2,127	6,336
Va.	20,916	12,087	—	—	7,565	1,264
W. Va.	43,935	6,930	—	—	8,991	28,017
N. C.	5,678	1,811	—	—	2,249	1,618
S. C.	3,709	—	—	—	3,441	268
Ga.	13,041	4,259	—	—	5,536	3,246
Fla.	18,580	10,400	—	—	4,349	3,831
E. S. CENTRAL:						
Ky.	84,119	2,801	375,000	—	5,101	38,717
Tenn.	10,129	—	—	—	4,463	5,666
Ala.	12,644	3,128	—	—	4,819	4,697
Miss.	41,703	35,400	—	—	5,789	514
W. S. CENTRAL:						
Ark.	24,008	6,668	—	—	9,715	7,625
La.	206,464	1,117	—	—	12,711	192,636
Okla.	604,270	577,550	—	—	23,314	3,406
Texas	1,334,094	1,203,587	—	—	45,002	84,905
MOUNTAIN:						
Mont.	16,175	3,100	—	—	6,414	6,661
Idaho	9,832	3,480	—	—	5,951	401
Wyo.	3,476	828	—	—	2,534	122
Colo.	342,970	312,806	—	—	20,244	3,100
N. M.	9,100	—	—	—	4,216	4,884
Ariz.	4,189	—	—	—	3,879	310
Utah	46,134	38,430	—	—	3,333	4,371
Nev.	26,612	21,538	—	—	2,225	2,849
PACIFIC:						
Wash.	7,859,992	303,540	3,578	—	36,830	7,516,044
Ore.	31,454	2,759	—	—	12,272	16,423
Calif.	1,181,077	24,419	—	—	78,401	1,078,257

Table 16.—Comparative figures for oleo stock, oleo oil, and edible tallow—all classes of business combined, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	January 1, 1918.		January 1, 1917.
	Pounds.	Pounds.	
United States	44,927,408	40,991,730	
GEOGRAPHIC DIVISIONS:			
New England	1,932,635	1,222,532	
Middle Atlantic	8,387,065	5,351,153	
East North Central	11,934,602	9,666,680	
West North Central	10,054,366	6,233,515	
South Atlantic	548,353	345,664	
East South Central	1,081,821	741,142	
West South Central	2,109,626	1,741,825	
Mountain	399,364	258,617	
Pacific	8,971,636	16,122,332	
NEW ENGLAND:			
Maine	94,483	30,384	
New Hampshire	29,687	25,410	
Vermont	3,877	4,296	
Massachusetts	1,562,207	1,025,496	
Rhode Island	139,682	76,821	
Connecticut	102,699	60,125	
MIDDLE ATLANTIC:			
New York	5,852,654	3,335,477	
New Jersey	1,977,775	1,193,535	
Pennsylvania	1,047,633	822,141	
EAST NORTH CENTRAL:			
Ohio	375,855	378,634	
Indiana	422,698	318,473	
Illinois	10,705,516	8,671,276	
Michigan	224,924	153,083	
Wisconsin	205,609	145,214	
WEST NORTH CENTRAL:			
Minnesota	496,372	644,301	
Iowa	675,254	491,327	
Missouri	3,117,874	1,325,259	
North Dakota	4,321	6,099	
South Dakota	24,836	6,030	
Nebraska	2,564,794	1,656,868	
Kansas	3,170,915	2,103,631	
SOUTH ATLANTIC:			
Delaware	4,760	430	
Maryland	430,183	276,778	
District of Columbia	—	—	
Virginia	15,031	12,323	
West Virginia	37,351	17,059	
North Carolina	3,162	3,666	
South Carolina	1,399	1,228	
Georgia	6,061	5,348	
Florida	12,250	2,465	
EAST SOUTH CENTRAL:			
Kentucky	44,600	3,826	
Tennessee	4,537	4,700	
Alabama	10,667	11,337	
Mississippi	35,937	29,549	
WEST SOUTH CENTRAL:			
Arkansas	15,076	6,735	
Louisiana	200,710	151,778	
Oklahoma	589,073	291,835	
Texas	1,304,767	1,381,477	
MOUNTAIN:			
Montana	9,062	11,049	
Idaho	6,608	4,848	
Wyoming	3,073	3,985	
Colorado	32,010	168,101	
New Mexico	2,481	2,696	
Arizona	2,348	2,794	
Utah	30,044	8,595	
Nevada	22,657	56,459	
PACIFIC:			
Washington	7,843,559	15,315,457	
Oregon	10,381	7,490	
California	1,117,696	799,385	

## COMMERCIAL STOCKS OF COTTONSEED OIL.

The stocks of cottonseed oil in commercial channels on January 1, 1918, as reported in the War Emergency Food Survey of that date, amounted to 39,057,250 gallons. Of these stocks nearly seven-tenths were reported by the oil mills. The meat packers reported slightly more than one-eighth, the balance being held by warehouses, wholesale dealers, retail dealers, bakers and a miscellaneous group of concerns. The large holdings of the oil mills are explained partly by the fact that practically all our edible cottonseed oil is produced in this country, the estimated domestic production for the calendar year 1917 being 160,000,000 gallons, while the imports during the year were less than 2,000,000 gallons. The stocks reported by each of these groups of firms, as well as by the various subgroups or classes of dealers, are given in the first column of Table 17, while the relative stocks reported by the various groups are shown graphically in Diagram 16. The number of schedules received and tabulated for stocks of cottonseed oil is shown in Table 18.

Table 17.—Stocks of cottonseed oil reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.	
		1918 stocks.	1917 stocks.
	Gallons.	Quantity.	Per cent. of 1917.
Total.	39,057,250	34,383,879	82.8
Oil mills.	27,153,115	25,727,413	108.0
Warehouses.	3,192,562	552,476	240.8
Wholesale dealers	946,735	824,823	91.9
Wholesale grocers	633,420	554,938	82.8
Other wholesale dealers	313,615	269,890	118.5
Meat packers	5,379,331	5,342,791	37.2
Bakers	499,470	413,843	74.6
Retail dealers	975,586	706,752	88.8
Retail grocers	670,067	472,303	85.4
General stores	314,696	225,950	96.9
Other retail dealers	20,826	8,499	86.5
Miscellaneous	910,451	815,776	96.5
Lard compound manufacturers	396,213	395,916	80.2
Oleomargarine manufacturers	190,404	176,730	129.7
Other miscellaneous	323,834	243,130	112.5

DIAGRAM 16.—DISTRIBUTION OF TOTAL STOCKS OF COTTONSEED OIL REPORTED FOR JANUARY 1, 1918.

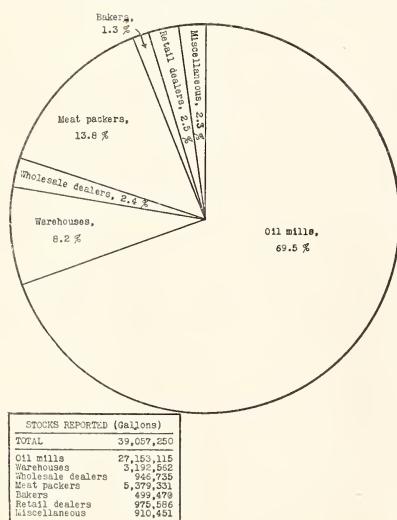


Table 18.—Number of firms reporting cottonseed oil, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	58,430	41,391
Oil mills	551	483
Warehouses	107	65
Wholesale dealers	2,662	2,225
Wholesale grocers	2,270	1,931
Other wholesale dealers	392	294
Meat packers	297	256
Bakers	4,810	3,482
Retail dealers	46,675	32,664
Retail grocers	36,873	36,000
General stores	9,115	6,300
Other retail dealers	687	364
Miscellaneous	3,328	2,216
Lard compound manufacturers	8	6
Oleomargarine manufacturers	18	15
Other miscellaneous	3,302	2,195

## Geographic Distribution of Stocks Reported.

The geographic distribution of these stocks is shown, by groups of concerns, in Table 19. Figures are given for geographic divisions as well as for states. The distribution by geographic divisions is also graphically represented in Diagram 17, while the stocks reported for the twelve most important states are similarly represented in Diagram 18. The West South Central division, it will be noticed, reported nearly one-third of the total stocks for the entire country. The other two Southern divisions of states also reported large stocks of this commodity. Texas ranked first as a holder of cottonseed oil, with Georgia fairly close second. New York ranked third and Louisiana fourth. A glance at Table 19 shows that the stocks of Texas, Georgia, and Louisiana were reported very largely by the oil mills, while those of New York were reported mainly by warehouses.

DIAGRAM 17.—STOCKS OF COTTONSEED OIL REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.

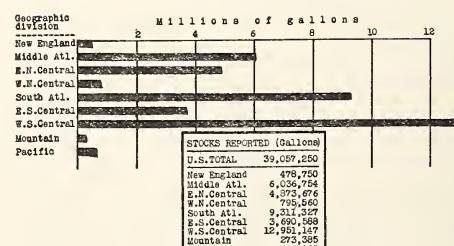
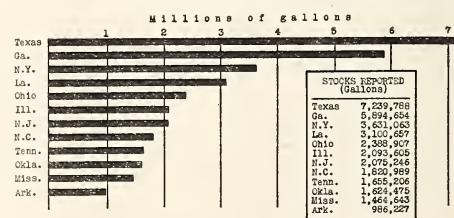


DIAGRAM 18.—STOCKS OF COTTONSEED OIL REPORTED FOR THE TWELVE MOST IMPORTANT STATES.



## Comparative Figures for 1918 and 1917.

Nearly nine-tenths of the reports received, based on the quantity reported, gave information for January 1, 1917, as well as for January 1, 1918. Comparative figures based on these two-year reports indicate that the stocks on hand on the date of the Survey were only 82.8 per cent of those on the earlier date. Comparative stocks for each group of concerns are shown in the last three columns of Table 17 and are graphically represented in Diagram 19. The stocks of the oil mills, it may be noted, show a slight increase, while the stocks of the meat packers on January 1, 1918, were only 37.2 per cent of those of a year earlier. The stocks of the other groups of concerns were relatively unimportant on both dates. Comparative figures are also given by states as well as by geographic divisions, for each group of firms, in Table 20.

DIAGRAM 19.—STOCKS OF COTTONSEED OIL REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917.

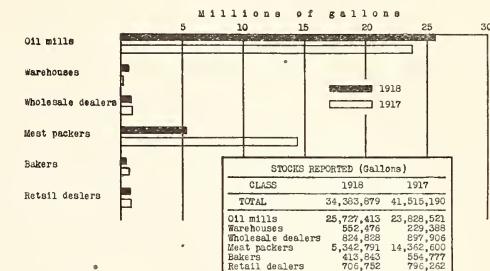


Table 19.—Stocks of cottonseed oil reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	WHOLESALE DEALERS.								RETAIL DEALERS.						Mis-cellaneous.	
		Oil mills.	Ware-houses.	Total.			Wholesale grocers.	Other whole-sale dealers.	Meat packers.	Bakers.	Total.			Retail grocers.	General stores.	Other retail dealers.	
				Gallons.	Gallons.	Gallons.					Gallons.	Gallons.	Gallons.				
United States	39,057,250	27,153,115	3,192,562	946,735	633,120	313,615	5,379,331	499,470	975,586	640,064	640,064	314,696	20,826	910,451			
GEOGRAPHIC DIVISIONS:																	
New England	476,750	291,537	15,943	47,114	38,167	8,947	1,623	20,296	49,742	46,929	2,390	1,131	533	16	54,190		
Middle Atlantic	6,036,754	2,030,232	2,830,908	323,279	213,069	110,210	407,725	159,670	79,056	202,864	29,497	3,695	49,934				
East North Central	4,873,676	2,891,868	111,676	133,926	85,329	48,597	1,083,587	156,994	63,552	13,088	2,167	411,523					
West North Central	795,560	150	44,693	25,329	21,301	4,028	559,453	80,368	35,227	21,379	9,739	3,609	50,340				
South Atlantic	9,311,327	8,730,772	122,949	99,793	42,373	57,425	222,987	32,314	57,584	30,223	26,724	632	44,923				
East South Central	3,690,588	3,408,720	2,256	68,417	47,444	29,973	163,004	8,878	24,851	14,733	10,028	35	14,462				
West South Central	12,951,147	9,703,572	3,471	132,144	91,357	40,787	2,561,631	6,850	308,735	131,134	174,427	3,174	231,744				
Mountain	273,355	21,578	9,548	29,345	21,910	7,435	175,678	5,026	28,480	13,600	13,232	1,598	3,730				
Pacific	646,063	84,666	51,118	87,383	72,170	15,213	198,638	21,074	155,814	115,150	35,521	5,143	47,350				
NEW ENGLAND:																	
Maine	16,406	1,750	1,140	461	314	147	54	697	1,730	1,131	533	16	10,574				
New Hampshire	5,322	1,375	1,375	1,375	1,375	1,375	440	733	2,307	1,976	1,976	133	67				
Vermont	1,996	201	201	201	201	201	440	1,220	901	319	319	135					
Massachusetts	94,266	2,748	33,136	24,928	8,200	1,534	18,329	22,899	22,160	665	74	15,620					
Rhode Island	319,609	279,707	2,904	4,854	4,263	591	2,720	5,045	4,370	175	21,299						
Connecticut	41,151	9,151	7,087	7,086	1	40	5,337	16,541	15,391	450	200	2,995					
MIDDLE ATLANTIC:																	
New York	3,631,063	397,828	2,781,261	75,831	139,068	76,763	4,581	33,968	116,157	110,172	5,103	882	31,437				
New Jersey	2,075,246	1,629,684	73	14,860	11,660	3,200	378,323	13,057	34,662	32,826	1,264	572	4,557				
Pennsylvania	330,445	2,720	49,574	92,588	62,341	30,217	24,321	62,615	85,237	59,866	23,130	2,211	12,890				
EAST NORTH CENTRAL:																	
Ohio	2,388,907	2,260,606	2,332	31,460	30,927	533	1,691	53,133	23,571	21,189	1,616	736	16,114				
Indiana	147,030	98,615	17,934	4,825	13,109	8,842	9,304	6,730	5,738	736	206	5,105					
Illinois	2,093,605	602,173	938	37,033	33,708	3,325	993,722	53,565	28,746	21,151	6,633	912	377,523				
Michigan	166,383	29,089	1,176	37,494	9,796	27,698	61,666	21,322	11,092	8,677	534	30	4,514				
Wisconsin	77,751	8,715	10,005	6,073	3,932	22,666	19,170	8,958	6,787	1,829	342	8,237					
WEST NORTH CENTRAL:																	
Minnesota	39,477	7,043	8,618	7,329	1,289	2,643	9,871	8,026	5,446	1,889	691	3,276					
Iowa	66,488	3,262	4,189	4,150	39	39,880	13,329	4,019	3,072	776	171	1,809					
Missouri	363,269	150	30,338	5,706	3,546	2,160	234,836	36,920	10,816	8,661	1,316	809	44,503				
North Dakota	5,200	1,669	1,355	1,354	534	247	322	2,898	399	2,210	259	64					
South Dakota	14,341	1,711	1,705	6	10,322	1,636	1,141	477	477	534	30	31					
Nebraska	79,037	1,757	1,757	55,787	55,787	16,366	4,023	2,000	1,773	215	604						
Kansas	227,248	4,050	1,679	7,852	5,950	1,902	215,736	1,424	4,304	1,824	1,126	1,354	53				
SOUTH ATLANTIC:																	
Delaware	22,095	604	71	533	513	1,023	979	44					19,955				
Maryland	169,575	94,500	26,968	2,606	24,362	28,870	8,128	3,660	2,171	1,230	209	7,419					
District of Columbia	23,975	6,022	2,153	2,153	716	9,369	3,729	3,531	18	130	1,986						
Virginia	500,577	460,838	20,500	30,020	5,111	24,909	19,645	2,761	13,559	2,956	10,532	21	3,254				
West Virginia	16,374	1,063	6,606	5,550	1,056	3,148	5,255	2,370	2,370	2,384	37	302					
North Carolina	1,820,989	1,807,343	7,044	4,076	2,968	215	385	5,329	2,135	3,194	673						
South Carolina	662,852	653,606	3,149	2,943	205	205	290	4,177	2,185	1,982	10	1,630					
Georgia	5,894,654	5,681,614	864	15,402	13,913	1,489	173,341	4,067	14,391	9,282	5,016	93	4,775				
Florida	150,236	127,371	7,852	5,950	1,902	3,653	6,461	4,619	1,760	62	4,899						
EAST SOUTH CENTRAL:																	
Kentucky	51,118	34,115	950	7,318	1,771	5,547	189	3,886	2,806	1,353	1,438	15	1,854				
Tennessee	1,655,206	1,621,396	1,306	13,920	6,689	7,231	1,373	3,316	7,275	5,128	2,087	60	6,620				
Alabama	519,621	466,612	37,884	35,002	2,382	742	1,119	7,632	5,039	2,538	5	5,632					
Mississippi	1,464,643	1,236,597	9,295	3,982	5,313	160,700	557	7,133	3,168	3,965	5	356					
WEST SOUTH CENTRAL:																	
Arkansas	986,227	913,044	44,494	6,222	37,272	51	1,839	27,460	4,312	20,973	2,175	339					
Louisiana	3,100,657	2,433,397	11,768	11,593	1,75	493,993	1,634	39,872	12,956	26,850	66	119,993					
Oklahoma	1,624,475	839,162	2,137	6,976	4,839	2,137	750,771	265	24,946	16,643	7,825	478	218				
Texas	7,239,768	5,517,969	1,334	69,906	68,703	1,203	1,316,816	3,112	216,457	97,223	118,779	455	114,194				
MOUNTAIN:																	
Montana	14,386	-----	-----	3,877	3,827	50	4,470	1,344	3,708	2,065	1,522	121	937				
Idaho	5,340	-----	-----	2,423	2,348	75	30	331	2,440	1,108	1,069	263	116				
Wyoming	2,430	-----	-----	207	207	207	207	2,181	305	1,704	172	42					
Colorado	186,865	-----	6,426	10,689	3,782	6,907	158,226	1,695	8,197	4,560	2,735	832	1,632				
New Mexico	8,012	-----	5,459	5,423	36	1,119	1,119	590	1,643	66	65						
Arizona	30,162	21,578	3,410	3,410	302	4,715	3,02	2,391	1,211	2,628	55	157					
Utah	12,765	3,100	3,053	2,686	367	2,203	1,121	2,682	999	606	61	606					
Nevada	13,425	22	227	227	10,749	44	2,258	1,081	1,169	8	125						
PACIFIC:																	
Washington	47,436	676	12,137	11,801	336	4,593	6,295	21,023	13,056	6,053	1,024	2,702					
Oregon	43,963	550	11,864	9,996	1,868	6,320	1,818	22,260	14,744	5,071	2,445	1,151					
California	554,664	84,686	49,892	63,382	50,373	13,009	187,725	12,961	112,521	86,450	24,397	1,674	43,497				

Table 20.—Comparative figures for cottonseed oil, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		OIL MILLS.		WAREHOUSES.		WHOLESALE DEALERS.		MEAT PACKERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.		
	1918.	1917.	1918.	1917.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	
	United States	34,383,879	41,515,190	25,727,413	23,828,521	552,476	229,388	824,828	897,906	5,342,791	14,362,600	413,843	554,777	706,752	796,262	815,776	845,736
Geog. divisions:																	
New England	425,272	411,071	281,557	222,965	11,044	10,823	42,132	68,424	1,603	969	21,407	36,274	34,520	39,672	33,032	31,941	
Middle Atl.	3,367,250	2,787,085	1,966,321	1,675,244	376,201	121,734	283,830	309,539	404,416	276,664	132,679	156,372	168,835	214,402	35,277	33,100	
E. N. Central	4,680,288	6,240,466	2,889,105	1,468,214	7,635	16,063	119,827	102,420	1,083,309	4,026,060	180,397	158,829	54,554	65,524	393,461	403,356	
W. N. Central	769,202	2,288,568	150	150	42,036	29,493	23,351	29,650	559,439	2,022,396	73,092	134,602	23,749	23,494	47,385	48,783	
South Atl.	8,994,375	8,847,355	8,504,048	8,115,460	95,885	22,077	94,700	91,766	215,494	529,075	27,625	32,462	39,655	32,245	16,968	24,270	
E. S. Central	3,469,491	3,220,994	3,207,914	2,917,424	1,250	15,330	61,308	39,930	161,527	204,516	7,660	12,256	17,323	16,995	12,509	14,543	
W. S. Central	11,896,526	16,093,265	8,781,018	9,402,999	3,469	2,121	91,643	137,947	2,557,931	6,028,206	4,535	6,579	228,834	268,545	229,096	246,863	
Mountain	252,533	320,827	21,578	20,981	6,448	4,353	27,117	15,404	170,662	254,354	3,636	4,295	19,854	19,114	3,238	2,326	
Pacific	528,633	1,305,559	75,742	5,051	8,511	7,394	80,920	102,826	188,410	1,020,360	12,812	13,108	119,428	116,271	42,810	40,549	
New England:																	
Me.	7,637	14,553	1,750	1,475	1,140	5,220	402	844	44	443	594	317	1,048	1,254	2,664	5,000	
N. H.	4,254	7,307	—	—	—	—	1,230	1,043	—	—	688	1,430	1,584	1,005	752	3,289	
Vt.	1,754	2,259	—	—	—	—	201	419	—	—	10	1473	1,079	1,283	14	34	
Mass.	75,838	118,029	—	—	750	2,351	30,567	54,207	1,519	486	13,875	28,165	17,140	19,330	11,987	13,481	
R. I.	304,680	239,591	279,787	221,403	9,151	3,252	3,947	3,720	—	40	3,435	1,792	3,261	4,142	15,310	8,444	
Conn.	31,079	29,332	—	—	—	—	—	—	—	—	—	—	10,413	12,049	2,255	1,673	
Middle Atl.:																	
N. Y.	1,068,485	786,913	333,917	259,282	355,889	80,934	193,191	214,526	4,481	3,227	68,080	90,536	89,849	115,577	23,078	22,831	
N. J.	2,056,285	1,719,435	1,629,684	1,415,307	73	1,080	11,927	15,826	378,285	239,231	10,596	15,093	24,134	29,575	1,586	3,020	
Pa.	242,789	250,737	—	—	20,239	39,720	78,712	79,187	21,650	34,206	54,003	50,743	54,852	68,947	10,613	7,249	
E. N. Central:																	
Ohio	2,364,796	932,459	2,258,393	811,698	1,106	4,465	25,728	22,596	1,475	2,230	47,504	42,277	16,611	18,282	13,979	30,971	
Ind.	45,951	87,944	—	—	—	—	17,447	10,531	8,790	8,554	8,789	13,050	4,638	4,597	4,257	912	
Ill.	2,050,304	4,984,735	601,623	578,759	888	2,889	31,356	27,981	990,982	3,917,350	41,328	64,815	20,486	26,030	372,681	366,901	
Mich.	154,748	204,819	29,089	77,757	1,176	4,184	35,453	33,422	61,666	61,365	16,724	17,372	7,035	7,222	3,605	3,487	
Wis.	57,489	80,509	—	—	—	4,515	4,515	9,813	7,950	20,396	36,261	16,042	21,315	5,784	9,383	939	
W. N. Central:																	
Minn.	32,708	30,561	—	—	—	5,148	1,945	8,261	8,536	2,643	8,851	8,329	3,366	5,578	6,767	2,749	
Iowa	63,447	48,955	—	—	—	2,500	1,400	4,118	2,173	39,880	5,167	12,366	34,879	2,970	2,553	1,613	
Mo.	354,636	622,177	150	150	30,338	21,722	5,590	8,886	234,836	488,279	33,544	50,576	7,675	7,825	42,503	44,430	
N. D.	3,531	3,670	—	—	—	—	—	1,135	795	247	754	61	240	2,035	1,877	53	
S. D.	13,754	2,583	—	—	—	—	1,464	679	10,322	396	1,305	989	634	514	29	5	
Nebr.	77,112	219,242	—	—	76	1,757	8,079	55,773	166,149	16,613	43,226	2,569	1,310	400	402	—	
Kan.	224,014	1,361,350	—	—	4,050	4,350	1,026	502	215,738	1,352,800	874	1,026	2,288	2,648	38	24	
South Atl.:																	
Del.	1,728	4,818	—	—	—	—	592	2,689	—	—	483	1,567	653	562	—	—	
Md.	164,009	97,641	—	—	94,500	17,625	25,553	21,897	27,582	36,592	7,178	10,928	2,079	2,692	7,117	7,907	
D. C.	15,794	16,332	—	—	—	—	2,056	2,144	716	444	9,249	9,271	2,303	2,634	1,470	1,839	
Va.	522,435	791,139	460,838	737,144	—	—	29,833	33,453	15,407	10,571	2,553	3,536	12,440	5,297	1,364	1,138	
W. Va.	10,682	9,645	—	—	521	200	5,995	4,819	—	—	325	850	3,702	3,662	139	114	
N. C.	1,721,383	1,679,272	1,709,905	1,672,303	—	—	6,849	4,027	—	—	331	366	3,480	2,120	603	456	
S. C.	612,775	792,937	606,564	786,533	—	—	1,917	2,151	—	—	220	524	2,713	2,649	1,361	1,030	
Ga.	5,802,541	5,166,219	5,599,370	4,644,927	864	4,252	14,428	12,813	171,574	481,468	3,915	2,727	9,180	9,437	3,210	10,595	
Fla.	143,028	259,352	127,371	274,553	—	—	7,477	7,773	—	—	3,371	2,693	3,105	3,192	1,704	1,141	
E. S. Central:																	
Ky.	47,832	497,307	34,115	476,073	—	—	9,675	7,001	3,846	189	340	3,180	3,810	2,241	1,882	1,046	781
Tenn.	1,501,043	1,068,956	1,472,289	1,017,580	1,250	5,655	12,957	20,042	60	—	3,267	6,558	5,119	6,047	6,101	13,115	
Ala.	499,531	679,009	450,772	658,917	—	—	37,403	19,704	578	—	3,628	747	6,911	5,059	4,265	5,272	
Miss.	1,420,785	975,722	1,250,738	763,994	—	—	3,887	5,338	160,700	200,548	466	977	4,904	4,801	90	63	
W. S. Central:																	
Ark.	927,175	543,714	892,320	508,924	—	—	14,383	13,437	—	—	1,034	1,165	2,167	19,167	19,518	271	
La.	2,963,563	4,368,758	2,320,753	3,515,124	—	—	5,813	17,376	490,397	—	696,634	1,526	2,258	28,310	27,601	116,774	109,765
Okla.	1,587,280	3,126,689	809,838	637,359	2,137	796	6,975	27,951	750,771	2,430,378	242	423	17,154	20,658	172	124	
Texas	6,418,499	8,054,104	4,758,107	4,741,592	1,332	1,325	2,365	1,072	2,011	4,552	1,121	570	1,922	2,500	601	277	
MOUNTAIN:																	
Mont.	7,617	4,916	—	—	—	—	3,427	1,201	469	—	1,103	483	1,743	2,028	875	1,204	
Idaho	4,186	2,716	—	—	—	—	2,003	780	30	40	216	72	1,835	1,780	102	88	
Wyo.	2,043	1,900	—	—	—	—	207	287	—	—	1,844	1,609	22	23	15	—	
Colo.	182,045	270,749	—	—	6,426	4,302	10,532	7,484	157,403	249,443	1,041	3,098	5,672	5,426	1,351	511	
N. M.	7,507	3,807	—	—	—	—	5,423	2,278	—	—	109	19	1,919	1,437	56	49	
Ariz.	25,179	25,639	21,578	20,981	—	—	3,351	1,603	—	—	2	3	3,142	2,954	106	98	
Utah	8,020	8,971	—	—	—	—	2,365	1,072	2,011	4,552	1,121	570	1,922	2,500	601	277	
Nev.	12,936	2,042	—	—	—	—	22	27	189	223	10,749	319	44	50	1,807	1,339	
PACIFIC:																	
Wash.	36,279	63,541	—	—	4,949	451	405	10,030	13,922	4,527	28,945	2,611	1,914	16,880	11,676	1,780	1,730
Ore.	36,558	39,682	—	—	—	550	2,936	11,480	8,682	6,320	10,786	1,371	1,525	16,175	14,677	959	1,076
Calif.	455,496	1,202,336	75,742	102	7,510	4,053	59,410	80,222	177,563	980,916	8,830	9,669	86,370	89,918	40,071	37,743	

## COMMERCIAL STOCKS OF OLIVE OIL.

The commercial stocks of olive oil reported in the Food Survey of January 1, 1918, amounted to 3,921,877 gallons. Of these stocks the retail dealers held 44.8 per cent, the wholesale dealers 28.6 per cent, and the storage warehouses 14.1 per cent, the balance being held by oil mills and miscellaneous concerns. The large holdings of the retailers and wholesalers is doubtless explained by the fact that practically all our edible olive oil is imported rather than produced in domestic mills, and is used almost entirely for household consumption rather than in the production of other food commodities. The stocks reported are given by groups of concerns as well as for various subgroups or classes of dealers in the first column of Table 21, while the relative amounts reported by the several groups of concerns are graphically presented in Diagram 20. The number of firms reporting this commodity is shown by groups and classes of firms in Table 22.

Table 21.—Stocks of olive oil reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.		
		1918 stocks.		1917 stocks.
		Quantity.	Per cent of 1917.	
Total	3,921,877	Gallons. 3,125,684	117.8	Gallons. 2,653,608
Oil mills	65,266	60,318	36.6	164,963
Storage warehouses	551,198	303,712	155.9	194,801
Cold storages	446,262	228,604	371.8	61,491
Warehouses	134,936	75,111	56.3	133,310
Wholesale dealers	1,121,943	937,701	78.2	1,198,452
Wholesale grocers	815,508	706,084	73.1	966,011
Other wholesale dealers	306,435	231,617	99.6	232,441
Retail dealers	1,758,114	1,530,358	176.8	865,568
Retail grocers	1,591,961	1,400,460	192.1	728,879
General stores	155,032	122,719	95.3	128,706
Other retail dealers	11,121	7,179	89.9	7,983
Miscellaneous	425,356	293,595	127.7	229,824

DIAGRAM 20.—DISTRIBUTION OF TOTAL STOCKS OF OLIVE OIL REPORTED FOR JANUARY 1, 1918.

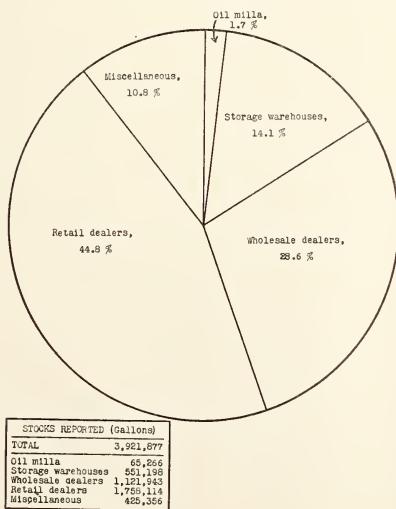


Table 22.—Number of firms reporting olive oil, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	88,678	63,913
Oil mills	31	24
Storage warehouses	112	67
Cold storages	35	17
Warehouses	77	50
Wholesale dealers	3,729	3,103
Wholesale grocers	2,719	2,387
Other wholesale dealers	1,010	716
Retail dealers	78,690	56,587
Retail grocers	58,283	41,680
General stores	19,138	14,182
Other retail dealers	1,269	725
Miscellaneous	6,116	4,132

## Geographic Distribution of Stocks Reported.

The geographic distribution of the commercial stocks of olive oil is shown in Table 23. Figures are given not only for the total stocks reported but also for groups of concerns, by states as well as by geographic divisions. The stocks reported for each of the nine geographic divisions are also shown graphically in Diagram 21. The Middle Atlantic division, it will be noticed, reported more than one-half of the stocks for the entire country. Diagram 22, showing the stocks of olive oil reported for the twelve most important states, indicates clearly the extent to which New York outranks all other states in the stocks of this commodity.

DIAGRAM 21.—STOCKS OF OLIVE OIL REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.

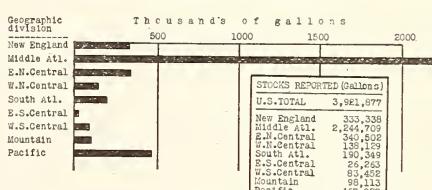
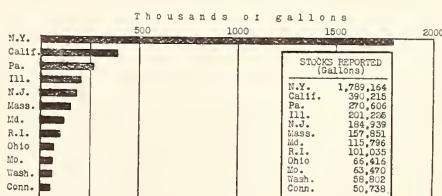


DIAGRAM 22.—STOCKS OF OLIVE OIL REPORTED FOR THE TWELVE MOST IMPORTANT STATES.



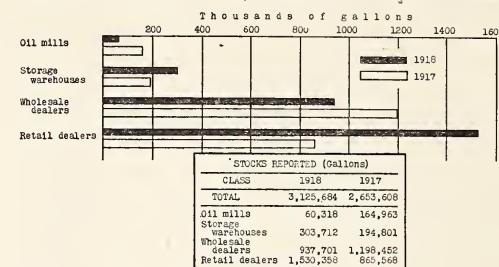
## Comparative Figures for 1918 and 1917.

Nearly four-fifths of the reports, based on quantity reported, gave information for January 1, 1917, as well as for January 1, 1918. Comparative stocks, as shown by these two-year reports, are given by groups of dealers in the last three columns in Table

21 and are also shown by geographic divisions and states in Table 24. These figures indicate that the stocks of the oil mills and of the wholesale dealers were considerably smaller on the date of the survey than on January 1, 1917. The stocks of the storage warehouses, the retail dealers, and the miscellaneous group of concerns, on the other hand, show a very considerable increase. On the whole, however, the stocks were larger than a year ago, being 17.8 per cent larger than those of January 1, 1917. The relative stocks on the two dates are shown for each group of concerns except the miscellaneous group in Diagram 23. The very important increase in the retail stocks of olive oil is clearly brought out by the diagram.

Table 23.—Stocks of olive oil reported for January 1, 1918, by classes of business, for geographic divisions and states.

DIAGRAM 23.—STOCKS OF OLIVE OIL REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.



GEOGRAPHIC DIVISION AND STATE.	TOTAL.	Oil mills.	Storage warehouses.	WHOLESALE DEALERS.			RETAIL DEALERS.			Miscellaneous.	
				Gallons.	Gallons.	Gallons.	Total.	Wholesale grocers.	Other wholesale dealers.		
United States	3,921,877	65,266	551,198	1,121,943	815,508	306,435	1,758,114	1,591,961	155,032	11,121	425,356
<b>GEOGRAPHIC DIVISIONS:</b>											
New England	333,338	1,478	29,845	96,975	86,538	10,437	109,663	101,658	6,383	1,622	95,377
Middle Atlantic	2,244,709	6,844	451,311	487,842	335,605	152,237	21,113,332	1,077,225	32,452	5,655	183,390
East North Central	340,502	879	28,176	143,998	121,776	22,222	135,288	115,492	18,748	1,048	32,161
West North Central	1,194,299	6,475	120,900	41,176	1,352	63,491	48,472	14,744	4,514	2,564	1,100
South Atlantic	199,349	320	122,983	19,961	102,932	42,431	31,710	18,867	1,641	24,415	1,100
East South Central	26,263	—	8,601	7,532	1,069	1,439	11,72	2,468	150	3,272	1,100
West South Central	83,452	4,924	37,954	36,276	1,678	31,932	23,470	6,111	351	8,642	1,100
Mountain	93,113	1,750	1,838	25,552	24,281	1,271	64,273	34,746	29,171	356	4,700
Pacific	467,022	54,315	28,319	155,638	142,391	13,247	181,015	145,426	34,268	1,321	47,735
<b>NEW ENGLAND:</b>											
Maine	12,735	1,478	—	2,933	1,434	1,499	4,242	3,553	666	23	4,082
New Hampshire	6,671	—	—	1,850	1,793	57	4,103	3,503	574	26	718
Vermont	4,308	—	633	565	68	3,420	2,583	789	48	255	—
Massachusetts	157,851	—	26,387	64,377	57,167	7,210	54,076	50,767	2,685	624	13,011
Rhode Island	101,035	3,458	12,487	11,962	525	10,770	10,318	327	125	74,320	—
Connecticut	50,738	—	14,695	13,617	1,078	33,052	30,934	1,342	776	2,991	—
<b>MIDDLE ATLANTIC:</b>											
New York	1,789,164	4,739	311,025	418,442	278,558	140,384	989,172	973,024	14,254	1,894	65,786
New Jersey	184,939	121,204	16,626	15,736	390	40,929	38,214	1,827	888	6,180	—
Pennsylvania	270,606	2,105	19,072	52,774	41,811	10,963	83,231	65,987	16,371	2,873	111,424
<b>EAST NORTH CENTRAL:</b>											
Ohio	66,416	—	1,084	23,854	21,861	1,993	32,394	29,624	2,488	282	9,084
Indiana	19,854	—	—	9,687	8,968	719	9,266	8,267	966	33	901
Illinois	201,225	879	27,089	93,055	75,916	17,139	64,548	53,501	10,617	430	15,654
Michigan	34,548	—	—	11,316	9,040	2,276	17,648	15,010	2,506	132	5,584
Wisconsin	18,459	—	3	6,086	5,991	95	11,432	9,990	2,171	171	938
<b>WEST NORTH CENTRAL:</b>											
Minnesota	27,721	—	39	9,977	9,915	62	14,610	10,671	3,899	40	3,095
Iowa	15,028	—	—	5,302	4,995	307	8,528	7,049	1,419	60	1,198
Missouri	63,470	—	6,276	17,591	16,767	824	23,407	20,115	3,112	180	16,196
North Dakota	3,009	—	—	1,128	1,128	—	1,721	796	863	62	160
South Dakota	2,779	—	—	765	757	8	1,756	1,077	674	5	258
Nebraska	12,828	—	160	4,562	4,434	128	7,234	4,015	3,184	35	872
Kansas	13,294	—	—	3,175	3,152	23	6,234	4,749	1,413	72	3,885
<b>SOUTH ATLANTIC:</b>											
Delaware	2,329	—	—	388	287	101	1,330	1,236	94	—	611
Maryland	115,796	200	104,347	2,802	101,545	7,924	7,263	640	16	3,325	—
District of Columbia	12,241	—	120	2,835	2,778	57	1,117	6,621	483	3	2,362
Virginia	9,964	—	—	3,601	3,417	54	5,996	3,586	1,494	16	1,267
West Virginia	15,277	—	—	3,719	3,152	567	9,898	4,726	5,071	101	1,660
North Carolina	3,078	—	—	613	563	55	2,153	1,040	1,112	1	307
South Carolina	1,864	—	—	290	274	16	1,483	529	954	—	91
Georgia	15,757	—	—	633	607	26	2,967	2,715	230	22	12,157
Florida	13,860	—	—	6,452	5,951	501	4,773	3,979	789	5	2,635
<b>EAST SOUTH CENTRAL:</b>											
Kentucky	9,981	—	—	2,522	2,289	233	5,698	4,919	665	114	1,761
Tennessee	7,973	—	—	3,062	2,674	388	4,313	3,720	574	19	598
Alabama	4,450	—	—	1,659	1,333	326	2,264	1,696	559	9	627
Mississippi	3,759	—	—	1,358	1,236	122	2,115	1,437	670	8	286
<b>WEST SOUTH CENTRAL:</b>											
Arkansas	3,678	—	—	1,194	1,152	42	2,087	1,436	645	6	397
Louisiana	34,879	—	2,744	13,418	12,457	961	14,069	11,367	2,548	154	4,648
Oklahoma	9,505	—	2,030	4,246	4,106	140	2,824	2,171	563	90	405
Texas	35,390	—	150	19,096	18,561	535	12,952	10,496	2,355	101	3,192
<b>MOUNTAIN:</b>											
Montana	21,167	—	950	4,868	4,203	665	14,446	9,283	5,085	78	903
Idaho	6,585	—	—	2,231	2,115	116	4,215	1,764	4,450	1	139
Wyoming	3,921	—	—	448	448	—	3,118	1,160	2,231	27	55
Colorado	26,379	—	456	8,558	8,164	394	15,699	10,135	4,414	170	1,666
New Mexico	5,769	—	384	1,038	1,031	7	4,038	1,211	2,919	8	309
Arizona	11,936	1,750	—	2,969	2,905	64	6,044	3,623	3,260	6	323
Utah	14,472	—	25	4,992	4,967	25	8,305	3,737	4,502	66	1,150
Nevada	7,884	—	23	448	448	—	7,258	3,148	4,110	—	155
<b>PACIFIC:</b>											
Washington	58,802	—	—	4,323	27,269	26,593	676	24,763	20,219	4,276	268
Oregon	18,005	—	—	306	5,070	4,365	705	11,828	8,361	3,440	27
California	390,215	54,315	23,683	123,299	111,433	11,866	144,424	116,846	26,552	1,026	44,494

Table 24.—Comparative figures for olive oil, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		OIL MILLS.		STORAGE WAREHOUSES.		WHOLESALE DEALERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Gallons. 3,125,684	Gallons. 2,653,608	Gallons. 60,318	Gallons. 164,963	Gallons. 303,712	Gallons. 194,801	Gallons. 937,701	Gallons. 1,198,452	Gallons. 1,530,358	Gallons. 865,568	Gallons. 293,595	Gallons. 229,824
United States												
GEOGRAPHIC DIVISIONS:												
New England	181,943	248,721			1,042	1,918	85,870	138,390	79,609	91,531	15,422	16,882
Middle Atlantic	1,849,730	1,033,448	6,034	5,858	261,809	144,093	368,580	472,788	1,040,130	316,052	173,177	93,757
East North Central	264,262	308,826	629	7,009	6,563	10,924	133,070	158,736	96,870	107,682	27,130	24,475
West North Central	114,659	154,591			200	6,315	3,880	40,840	70,348	48,733	51,477	19,071
South Atlantic	159,048	139,248				119,446	93,333	29,191	35,380	10,211	6,535	
East South Central	19,935	24,605				6,700	10,139	10,871	12,602	2,364	1,864	
West South Central	62,161	101,499			17,500	275	173	34,638	55,086	23,184	25,648	4,064
Mountain	80,947	79,669	1,750	3,150	888	2,028	23,193	20,069	51,552	50,465	3,564	2,957
Pacific	392,699	563,001	51,905	131,446	26,620	31,755	125,364	175,563	150,218	173,831	38,592	50,376
NEW ENGLAND:												
Maine	8,106	8,896					2,677	1,753	3,198	3,437	2,231	3,706
New Hampshire	5,631	7,907					1,43	2,326	3,224	3,594	344	1,477
Vermont	3,397	3,653					600	557	2,649	2,921	148	175
Massachusetts	108,659	165,972			1,042	1,918	60,956	112,402	36,880	43,473	9,801	8,179
Rhode Island	14,251	20,500					5,951	10,470	7,613	8,890	687	1,150
Connecticut	41,929	42,303					13,843	10,882	26,093	29,226	1,991	2,195
MIDDLE ATLANTIC:												
New York	1,569,121	774,932	3,929	5,314	241,659	131,502	317,269	388,199	94,7650	205,234	58,614	41,683
New Jersey	54,495	64,587			11,112	8,628	9,754	11,407	25,407	39,975	5,225	4,948
Pennsylvania	226,111	193,929	2,105	544	9,038	3,963	41,557	73,553	64,073	68,743	109,338	47,126
EAST NORTH CENTRAL:												
Ohio	54,640	64,761				800	1,700	22,406	20,490	23,274	26,214	8,160
Indiana	14,846	20,156						7,670	11,467	6,335	7,855	841
Illinois	154,847	175,918	629	7,009	5,760	9,221	87,749	96,404	46,821	49,920	13,888	13,364
Michigan	25,238	33,256						9,396	15,174	12,305	15,937	3,335
Wisconsin	14,690	14,735				3	3	5,849	6,201	8,132	7,756	706
WEST NORTH CENTRAL:												
Minnesota	23,524	32,769				39	82	9,611	13,254	10,964	10,031	2,910
Iowa	12,533	15,884						5,238	8,454	6,639	6,867	656
Missouri	56,499	61,996			6,276	3,798	17,301	18,153	15,670	22,174	14,252	17,871
North Dakota	2,462	2,765					1,118	1,090	1,222	1,468	122	207
South Dakota	2,511	2,409					755	777	1,521	1,547	235	85
Nebraska	10,513	31,432					4,464	25,683	5,220	5,063	829	686
Kansas	6,917	7,336					2,353	2,937	4,497	4,327	67	72
SOUTH ATLANTIC:												
Delaware	1,618	1,525					277	472	744	955	597	98
Maryland	112,340	85,645			200		103,388	77,300	6,212	6,760	2,740	1,550
District of Columbia	9,667	9,729					2,216	1,923	4,668	5,775	2,153	2,028
Virginia	8,237	8,445					3,433	3,604	3,888	4,195	916	646
West Virginia	11,796	9,639					3,172	2,282	7,181	7,013	1,440	344
North Carolina	2,316	4,463					504	502	1,590	3,741	222	220
South Carolina	602	1,183					276	349	309	803	17	31
Georgia	2,838	3,377					514	1,082	1,610	2,019	714	276
Florida	10,034	15,242					5,636	9,810	2,986	4,090	1,412	1,342
EAST SOUTH CENTRAL:												
Kentucky	8,073	10,606					2,029	4,641	4,400	4,904	1,644	1,061
Tennessee	5,596	6,967					1,945	2,667	3,295	3,791	356	509
Alabama	3,459	4,204					1,533	1,842	1,618	2,100	308	262
Mississippi	2,807	2,828					1,193	989	1,558	1,807	56	32
WEST SOUTH CENTRAL:												
Arkansas	2,756	2,980					1,191	1,263	1,246	1,358	319	259
Louisiana	23,880	46,408			200		11,537	33,358	9,746	11,339	2,397	1,711
Oklahoma	5,852	5,981			30	40	4,087	3,728	1,544	1,857	191	356
Texas	29,073	46,130			17,500	45	133	17,823	16,637	10,648	11,094	1,157
MOUNTAIN:												
Montana	16,887	16,857					4,429	3,899	11,701	11,616	757	1,342
Idaho	5,253	4,600					1,835	1,008	3,345	3,530	73	62
Wyoming	3,023	2,841					448	311	2,530	2,484	47	46
Colorado	22,584	24,172			456	1,924	7,955	7,912	12,735	12,891	1,408	1,445
New Mexico	4,740	4,794			384		1,010	1,276	3,170	3,405	176	113
Arizona	9,933	9,976	1,750	3,150			2,561	1,356	5,512	5,341	110	129
Utah	12,419	10,234			25	80	4,660	3,979	6,875	5,505	856	370
Nevada	6,106	6,195			23	24	265	328	5,681	5,393	137	450
PACIFIC:												
Washington	49,083	61,535			3,458	58	23,045	38,342	20,590	21,503	1,990	1,632
Oregon	15,392	21,134			308	202	5,011	8,176	9,513	11,503	560	953
California	328,224	480,332	51,905	131,446	22,854	31,525	97,308	129,045	120,115	140,523	36,042	47,791

## COMMERCIAL STOCKS OF PEANUT OIL.

The stocks of peanut oil reported for the Survey of January 1, 1918, amounted to 2,306,416 gallons. Of this amount, the oil mills held 63.0 per cent, the wholesale dealers 19.0 per cent, and the retail dealers 4.8 per cent, the balance being held by warehouses and miscellaneous concerns. The large holdings of the oil mills are partly explained by the fact that more than half of our total supply of edible peanut oil is produced in this country, the estimated domestic production of this commodity for 1917 being in round figures, 4,666,000 gallons as against 3,653,000 gallons imported. The stocks reported are given by groups of concerns in the first column of Table 25, and the relative importance of the stocks held by the different groups is shown graphically in Diagram 24. The number of firms reporting this commodity is shown in Table 26.

Table 25.—Stocks of peanut oil reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.	
		1918 stocks.	
		Quantity.	Per cent of 1917.
Total	2,306,416	Gallons. 1,134,103	Gallons. 909,505
Oil mills	1,452,243	444,158	128.1
Warehouses	49,383	44,860	14.7
Wholesale dealers	137,215	110,306	44.9
Retail dealers	110,304	51,576	170.7
Miscellaneous	257,271	183,203	134.9

DIAGRAM 24.—DISTRIBUTION OF TOTAL STOCKS OF PEANUT OIL REPORTED FOR JANUARY 1, 1918.

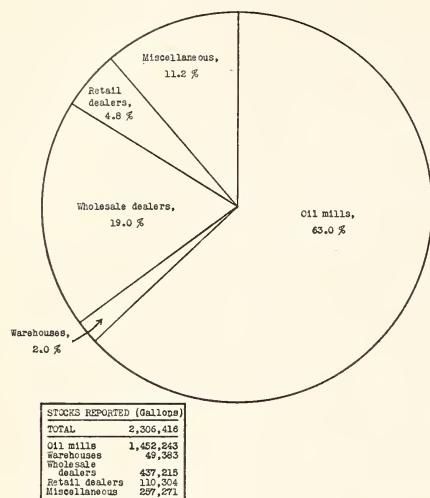


Table 26.—Number of firms reporting peanut oil, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
<b>Total</b>	<b>4,856</b>	<b>2,379</b>
Oil mills	61	34
Warehouses	10	5
Wholesale dealers	243	174
Retail dealers	4,130	1,948
Miscellaneous	412	218

#### Geographic Distribution of Stocks Reported.

The stocks of peanut oil reported in the Survey are shown by states as well as by geographic divisions in Table 27, while the stocks reported for the fifteen most important states are graphically represented in Diagram 25. Alabama, it will be noticed, ranked first as a holder of peanut oil, with Illinois second, Georgia third, Texas fourth, Michigan fifth, and Louisiana sixth. Table 27 indicates that in Alabama, Georgia, Louisiana, and Michigan the stocks of peanut oil were reported largely by the oil mills, and in Illinois mainly by wholesalers, while in Texas the retail dealers held more than twice as much as the wholesalers, and almost as much as the oil mills.

DIAGRAM 25.—STOCKS OF PEANUT OIL REPORTED FOR THE FIFTEEN MOST IMPORTANT STATES.

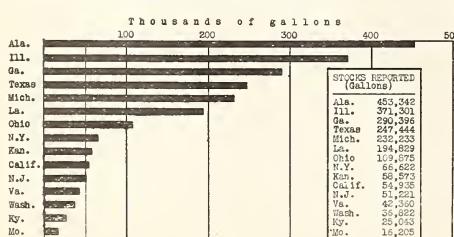


Table 27.—Stocks of peanut oil reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	Oil mills.	Warehouses.	Wholesale dealers.	Retail dealers.		Miscellaneous.
					Gallons.	Gallons.	
<b>United States...</b>	<b>2,306,416</b>	<b>1,452,213</b>	<b>49,383</b>	<b>437,215</b>	<b>110,304</b>	<b>257,271</b>	
<b>GEOGRAPHIC DIVS.:</b>							
New England...	5,525	5,298	31,045	14,900	64	1,475	3,862
Middle Atlantic...	119,298	116,720	330,834	204,407	6,624	52,306	13,552
E. N. Central...	728,576	720,491	-----	59,618	2,740	1,812	6,061
W. N. Central...	342,369	316,339	-----	702	988	24,340	-----
E. S. Central...	490,551	455,809	-----	4,306	3,306	4,434	-----
W. S. Central...	445,063	288,036	-----	39,627	89,355	23,045	-----
Mountain...	3,832	-----	-----	2,680	688	464	-----
Pacific...	93,704	180	34,359	55,691	2,767	707	-----
<b>NEW ENGLAND:</b>							
Maine...	183	-----	-----	-----	133	50	-----
New Hampshire...	6	-----	-----	-----	3	3	-----
Vermont...	21	-----	-----	-----	11	10	-----
Massachusetts...	1,753	-----	124	2	714	913	-----
Rhode Island...	3,088	-----	-----	46	226	2,916	-----
Connecticut...	3,474	-----	-----	16	388	70	-----
<b>MIDDLE ATLANTIC:</b>							
New York...	66,622	29,929	14,900	14,404	5,059	2,330	-----
New Jersey...	51,221	1,101	-----	9	343	49,768	-----
Pennsylvania...	1,455	15	-----	11	1,221	208	-----
<b>E. N. CENTRAL:</b>							
Ohio...	109,875	99,750	-----	76	505	9,544	-----
Indiana...	9,677	-----	-----	9,459	180	38	-----
Illinois...	371,301	108	-----	254,815	775	115,603	-----
Michigan...	292,233	230,976	-----	-----	567	690	-----
Wisconsin...	5,497	-----	-----	57	263	5,177	-----
<b>W. N. CENTRAL:</b>							
Minnesota...	1,107	-----	-----	408	598	101	-----
Iowa...	380	-----	-----	-----	117	263	-----
Missouri...	16,205	-----	-----	70	524	15,611	-----
North Dakota...	343	-----	-----	-----	328	15	-----
South Dakota...	732	-----	-----	721	10	1	-----
Nebraska...	151	-----	-----	9	76	66	-----
Kansas...	58,573	-----	-----	58,410	159	4	-----
<b>SOUTH ATLANTIC:</b>							
Delaware...	13	-----	-----	8	5	-----	70
Maryland...	352	-----	-----	227	55	-----	-----
District of Col...	267	-----	-----	-----	252	15	-----
Virginia...	42,310	42,223	-----	-----	136	1	-----
West Virginia...	94	-----	-----	3	91	-----	-----
South Carolina...	499	-----	-----	460	39	-----	-----
Georgia...	290,396	266,116	-----	-----	55	24,225	-----
Florida...	8,378	8,000	-----	4	350	24	-----
<b>E. S. CENTRAL:</b>							
Kentucky...	25,043	24,653	-----	-----	150	240	-----
Tennessee...	12,142	11,963	-----	2	33	144	-----
Alabama...	453,342	449,193	-----	-----	4,099	50	-----
Mississippi...	24	-----	-----	-----	24	-----	-----
<b>W. S. CENTRAL:</b>							
Arkansas...	256	-----	-----	146	27	83	-----
Louisiana...	194,829	194,436	-----	-----	373	20	-----
Oklahoma...	2,534	-----	-----	1,011	1,461	62	-----
Texas...	247,444	93,600	-----	38,470	87,494	27,889	-----
<b>MOUNTAIN:</b>							
Montana...	2,670	-----	-----	2,435	215	20	-----
Idaho...	640	-----	-----	245	108	287	-----
Wyoming...	62	-----	-----	-----	62	-----	-----
Colorado...	108	-----	-----	-----	86	22	-----
New Mexico...	85	-----	-----	-----	75	10	-----
Arizona...	129	-----	-----	-----	54	75	-----
Utah...	130	-----	-----	-----	80	50	-----
Nevada...	8	-----	-----	-----	8	-----	-----
<b>PACIFIC:</b>							
Washington...	36,822	-----	30,000	6,244	417	161	-----
Oregon...	1,947	-----	160	1,335	339	113	-----
California...	54,935	180	4,199	48,112	2,011	433	-----

#### Comparative Figures for 1918 and 1917.

The comparative figures given in the last three columns of Table 25, and more in detail in Table 28, are based on the reports for those firms that gave information for January 1, 1917, as well as for January 1, 1918. These figures indicate that the commercial stocks of peanut oil were considerably greater on the date of the Survey than they were one year earlier. While the warehouses reported stocks equal to only 14.7 per cent of those held January 1, 1917, the oil mills reported stocks 28.1 per cent larger than on the earlier date, the retail dealers show an increase of 70.7 per cent

in their stocks of peanut oil, and the wholesale dealers reported stocks for January 1, 1918, which were nearly four and one-half times as large as those held by the same firms on January 1, 1917. The oil mills in the state of Texas show a considerable decrease in stocks for the year between the inventory dates, but this was more than made up by increases in the stocks reported for other states. The combined stocks of all the groups of concerns on the date of the survey were 24.7 per cent larger than those of a year earlier. The relative stocks of the several groups of concerns on the two dates are represented graphically in Diagram 26.

DIAGRAM 26.—STOCKS OF PEANUT OIL REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

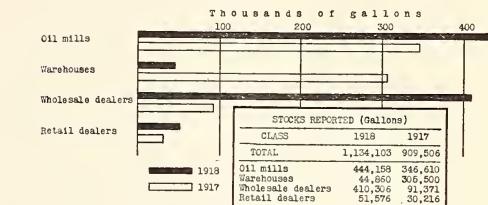


Table 28.—Comparative figures for peanut oil, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE	TOTAL		OIL MILLS.		WAREHOUSES.		WHOLESALE DEALERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.
United States	1,134,103	909,506	444,158	346,610	44,860	305,500	410,306	91,371	51,576	30,216	183,203	135,809
GEOGRAPHIC DIVISIONS:												
New England	1,903	2,781					114	240	1,107	1,530	742	1,011
Middle Atlantic	59,408	23,240	2,625	2,340	12,650	5,000	14,189	2,339	4,945	6,402	24,999	7,616
East North Central	47,938	103,986	99,885	52,064			263,302	25,685	79	1,027	113,999	25,210
West North Central	76,450	80,371					59,612	13,837	1,165	1,466	15,667	65,968
South Atlantic	119,391	23,174	118,340	21,843			395	649	394	430	62	252
East South Central	123,187	14,721	121,979	14,206			31,248	8,972	778	350	428	165
West South Central	199,372	311,450	101,356	250,573			245	245	338	40,106	16,138	26,662
Mountain	934	706					5,584	32,210	40,993	39,649	2,442	293
Pacific	75,460	348,617							1,964			442
NEW ENGLAND:												
Maine	183	287							133	137	50	150
New Hampshire	1	9							1	9		
Vermont	10	45							5	15	5	30
Masachusetts	1,236	1,664					52	201	556	689	628	774
Rhode Island	177	71					46	12	61	59		
Connecticut	426	705					16	27	351	621	59	57
MIDDLE ATLANTIC:												
New York	34,192	13,376	1,989	2,340	12,650	5,000	14,173	2,320	4,084	5,545	1,296	511
New Jersey	24,384	9,462	621	5			5	5	166	244	23,592	6,873
Pennsylvania	832	862	15				11	14	695	616	111	232
EAST NORTH CENTRAL:												
Ohio	105,532	67,925	99,750	51,700			76	372	206	377	5,500	15,476
Indiana	9,594	1,195					9,459	1,041	104	102	31	52
Illinois	361,899	34,237	108	364			253,710	24,159	216	309	107,865	9,405
Michigan	733	403					57	14	130	112	603	277
Wisconsin	180	226							123	127		
WEST NORTH CENTRAL:												
Minnesota	768	2,143					408	1,536	300	578	60	29
Iowa	70	125					70	306	57	110	13	15
Missouri	15,980	65,588					721	26	370	292	15,540	64,988
North Dakota	317	110					9	2,053	312	109	5	1
South Dakota	728	54							7	28		
Nebraska	102	2,308					58,410	9,916	48	225	45	30
Kansas	58,485	10,043					71		123	4	4	4
SOUTH ATLANTIC:												
Delaware	8	20					8	20			5	3
Maryland	170	409					127	162	43	44		203
District of Columbia	247	213							232	198	15	15
Virginia	42,268	21,892	42,223	21,843					45	49		
West Virginia	21	79					460	460	21	79		
North Carolina	463	463					1	3	3	3		
South Carolina	5	4					6	26	5	5	3	
Georgia	68,173	51	68,117	8,000					24	27	30	15
Florida	8,036	43							12	12	12	16
EAST SOUTH CENTRAL:												
Kentucky	353	320					2		113	196	240	124
Tennessee	12,128	70	11,963						25	39	138	31
Alabama	110,692	14,321	110,016	14,206					626	105	50	10
Mississippi	14	10							14	10		
WEST SOUTH CENTRAL:												
Arkansas	79	13							3	3	76	10
Louisiana	7,826	43	7,736						70	43		
Oklahoma	862	8,487	8,442						611	45		
Texas	190,603	302,997	93,600	242,131			30,997	8,972	39,422	16,047	26,536	33,737
MOUNTAIN:												
Montana	160	257							160	236		1
Idaho	564	234							32	24	287	210
Wyoming	11	12							11	12		
Colorado	67	83							53	51	14	32
New Mexico	21	20							21	20		
Arizona	42	40							42	40		
Utah	62	53							12	18	50	35
Nevada	7	7							7	7		
PACIFIC:												
Washington	36,319	314,586	5,584		30,000	300,000	6,126	8,830	173	171	50	1
Oregon	1,623	601			160	1,235	6	219	533	9	12	
California	37,488	33,430			2,050	500	33,632	30,813	1,372	1,688	234	429

